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Alberta's Reserves of crude oil, oil sands, gas, natural gas liquids, and sulphur

December 1988

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December 1988

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81-E	Alberta's Hydroelectric Energy Resources
88-E	Alberta Oil Supply, 1988-2003

ISSN 0706-3199

Twenty-eighth edition

Published by:

Energy Resources Conservation Board
640 Fifth Avenue SW
Calgary, Alberta
T2P 3G4

Telephone (403) 297-8311

Fax (403) 297-7040

Price: $80

HIGHLIGHTS

RESERVES	1988	1987	Change
Conventional crude oil			
Remaining established (10^6 m^3)	593	614	– 21
Initial established (10^6 m^3)	2 232	2 195	+37
Crude bitumen (developed surface-mineable projects)			
Remaining established (10^6 m^3)	497	511	– 14
Initial established (10^6 m^3)	644	644	—
Crude bitumen (developed in situ projects)			
Remaining established (10^6 m^3)	69.5	62.2	+ 7.3
Initial established (10^6 m^3)	99.0	84.3	+14.7
Natural gas[a]			
Remaining established			
Volume (10^{12} m^3)	1.63	1.65	– 0.02
Energy (10^{18} J)	62.60	64.09	– 1.49
Initial established			
Volume (10^{12} m^3)	3.09	3.03	+ 0.06
Energy (10^{18} J)	118.88	117.45	+ 1.43
PRODUCTION			
Conventional crude oil (10^6 m^3)	57.2	53.9	+ 3.3
Crude bitumen (surface-mineable) (10^6 m^3)	14.0	13.0	+ 1.0
Crude bitumen (in situ) (10^6 m^3)	7.4	7.7	– 0.3
Natural gas[b]			
Volumes (10^9 m^3)	88.6	68.4	+20.2

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[a] Volumes are on an actual heating value basis.

[b] The official net production of natural gas is reported in ERCB ST 89-17 (see Chapter 4, Section 4.8 of this report).

CONTENTS

CHAPTER page

1 Terminology 1-1

2 Reserves of Conventional Crude Oil 2-1

3 Reserves of Crude Bitumen and Synthetic Crude Oil 3-1

4 Reserves of Gas 4-1

5 Ethane Content of Gas 5-1

6 Reserves of Natural Gas Liquids 6-1

7 Reserves of Sulphur 7-1

8 Ultimate Potential 8-1

APPENDIX A-1

Oil, Crude Bitumen, and Gas Drilling and Reserve Growth Historical Data

TABLES AND FIGURES

Tables **page**

2-1 Summary of Reserves of Conventional Crude Oil Attributable to Various Recovery Mechanisms 2-4
2-2 Distribution of Reserves of Conventional Crude Oil by Geological Period and Crude-oil Type 2-5
2-3 Geological Distribution of Reserves of Conventional Crude Oil 2-6
2-4 Reserves of Conventional Crude Oil and Basic Data 2-1 (table)
3-1 Established In Situ Crude Bitumen Reserves 3-5
3-2 Reserves of Crude Bitumen and Basic Data 3-1 (table)
4-1 Major Gas Reserve Changes 1988 4-7
4-2 Reserves of Pools Calculated on an Energy Basis 4-8
4-3 Distribution of Established Reserves of Gas by Geological Period 4-10
4-4 Reserves of Multi-field Pools 4-12
4-5 Reserves of Gas and Basic Data 4-1 (table)
5-1 Ethane in the Remaining Established Reserves of Gas 5-2
6-1 Remaining Established Reserves of Natural Gas Liquids 6-3
7-1 Remaining Established Reserves of Sulphur 7-3
8-1 Summary of Initial and Remaining Established Reserves of Conventional Crude Oil 8-2
8-2 Summary of Initial and Remaining Established Reserves of Marketable Gas 8-6
A-1 Development and Exploratory Wells Number Drilled Annually, 1951-1988 A-2
A-2 Development and Exploratory Wells Kilometres Drilled Annually, 1951-1988 A-4
A-3 Completed and Capped Wells Cumulative Totals, 1951-1988 A-7
A-4 Additions to Established Reserves of Conventional Crude Oil, 1951-1988 A-9
A-5 Additions to Established Reserves of Marketable Gas, 1951-1988 A-11

Figures

3-1 Crude Bitumen Reserves Categories Within the Surface-mineable Area 3-2
8-1 Forecast Growth of Initial Established Reserves of Conventional Crude Oil 8-3
8-2 Forecast Growth of Initial Established Reserves of Marketable Gas 8-7

PREFACE

This is the principal report of the Energy Resources Conservation Board on Alberta's reserves of conventional crude oil, bitumen, synthetic crude oil, gas, natural gas liquids, and sulphur; it includes estimates of initial and remaining established reserves and ultimate potential. It is updated annually from the Board's records, and this edition reflects changes that have occurred to the end of 1988. The information in Tables 2-4 and 4-5 and more detailed information on the reserves of gas pools are available on magnetic tape. The gas-reserve details are also available on COM-microfiche (ERCB ST 89-35).

General enquiries respecting this report should be directed to L. A. Samson. Enquiries respecting specific sections should be directed as follows:

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5, 6, and 7	S. H. Smith, Gas	297-4287

The Board gratefully acknowledges the work of these staff members and many others in preparing this report.

1 TERMINOLOGY

1.1 SI UNITS

Alberta's Reserves of Crude Oil, Oil Sands, Gas, Natural Gas Liquids, and Sulphur are presented in the International System of Units (SI). The provincial totals and a few other major totals are shown in both SI units and the imperial equivalents in the various tables.

Conversion factors used in calculating the imperial equivalents are listed below:

1 cubic metre of gas (101.325 kilopascals and 15° Celsius) = 35.493 73 cubic feet of gas (14.65 psia and 60° Fahrenheit)

1 cubic metre of ethane (equilibrium pressure and 15° Celsius) = 6.33 Canadian barrels of ethane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of butanes (equilibrium pressure and 15° Celsius) = 6.296 8 Canadian barrels of butanes (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of propane (equilibrium pressure and 15° Celsius) = 6.300 0 Canadian barrels of propane (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of oil or pentanes plus (equilibrium pressure and 15° Celsius) = 6.292 9 Canadian barrels of oil or pentanes plus (equilibrium pressure and 60° Fahrenheit)

1 cubic metre of water (equilibrium pressure and 15° Celsius) = 6.290 1 Canadian barrels of water (equilibrium pressure and 60° Fahrenheit)

1 tonne = 0.984 206 4 (U.K.) long tons (2240 pounds)

1 tonne = 1.102 311 short tons (2000 pounds)

1 kilojoule = 0.948 213 3 British thermal units (Btu as defined in the federal Gas Inspection Act (60°-61° Fahrenheit))

1.2 RESERVES TERMINOLOGY

The reserves terminology used in this report applies to all fossil energy resources (including coal) and is as follows:

1 **Initial Volume in Place:** The gross volume of crude oil, crude bitumen, or raw natural gas calculated or interpreted to exist in a reservoir before any volume has been produced.

2 **Established Reserves:** Those reserves recoverable under current technology and present and anticipated economic conditions, specifically proved by drilling, testing, or production; plus that judgement portion of contiguous recoverable reserves that are interpreted from geological, geophysical, or similar information, with reasonable certainty to exist.

3 **Initial Established Reserves:** Established reserves prior to the deduction of any production.

4 **Remaining Established Reserves:** Initial established reserves less cumulative production.

5 **Ultimate Potential:** An estimate of the initial established reserves that will have been developed in an area by the time all exploratory and development activity has ceased, having regard for the geological prospects of that area and anticipated technology and economic conditions.

Ultimate potential includes cumulative production, remaining established reserves, and future additions through extensions and revisions to existing pools and the discovery of new pools. Ultimate potential can be expressed by the following simple formula:

Ultimate potential = initial established reserves
+ additions to existing pools
+ future discoveries.

The above terminology and definitions, which were recommended by the Inter-Provincial Advisory Committee on Energy, have been adopted by the Board.

1.3 DEFINITIONS OF OTHER TERMS

Area	The area used to determine the bulk rock volume of the oil-, crude bitumen-, or gas-bearing reservoir, usually the area of the zero isopach or the assigned area of a pool or deposit.
Butanes	In addition to its normal scientific meaning, a mixture mainly of butanes which ordinarily may contain some propane or pentanes plus.
	(Oil and Gas Conservation Act, section 1(1)(c.1))
Compressibility Factor	A correction factor for non-ideal gas determined for gas from a pool at its initial reservoir pressure and temperature and, where necessary, including factors to correct for acid gases.
Condensate	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or recoverable through a well from an underground reservoir and that may be gaseous in its virgin reservoir state but is liquid at the conditions under which its volume is measured or estimated.
	(Oil and Gas Conservation Act, section 1(1)(d.1))
Crude Bitumen	A naturally occurring viscous mixture, mainly of hydrocarbons heavier than pentane, that may contain sulphur compounds and that, in its naturally occurring viscous state, will not flow to a well.
	(Oil Sands Conservation Act, section 1(1)(c))
Crude Oil (Conventional)	A mixture mainly of pentanes and heavier hydrocarbons that may be contaminated with sulphur compounds, that is recovered or is recoverable at a well from an underground reservoir, and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so recovered or recoverable except raw gas or condensate.
	(Oil and Gas Conservation Act, section 1(1)(f.1))
Crude Oil (Heavy)	Crude oil will be deemed to be heavy crude oil if it has a density of 900 kg/m^3 or more, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification.
	(Oil and Gas Conservation Regulations 10.030)
Crude Oil (Light-medium)	Crude oil will be deemed to be light-medium crude oil if it has a density of less than 900 kg/m^3, but the Board, in a particular case, may classify crude oil otherwise than in accordance with this criterion, having regard to its market utilization and purchasers' classification. The light-medium classification is synonymous with the light classification referred to in ERCB Report 85-A, Alberta Oil Supply, 1985-2010.
Crude Oil (Synthetic)	A mixture, mainly of pentanes and heavier hydrocarbons, that may contain sulphur compounds, that is derived from crude bitumen and that is liquid at the conditions under which its volume is measured or estimated, and includes all other hydrocarbon mixtures so derived.
	(Oil and Gas Conservation Act, section 1(1)(t.1))
Density	The mass or amount of matter per unit volume.
Density, Relative (Raw Gas)	The density, relative to air, of raw gas upon discovery, determined by an analysis of a gas sample representative of a pool under atmospheric conditions.
Discovery Year	The year in which the well that discovered the oil or gas pool finished drilling.

Ethane	In addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane. (Oil and Gas Conservation Act, section 1(1)(h.1))
Gas	Raw gas or marketable gas or any constituent of raw gas, condensate, crude bitumen, or crude oil that is recovered in processing and that is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(j.1))
Gas (Associated)	Gas in a free state in communication in a reservoir with crude oil, under initial reservoir conditions.
Gas (Marketable)	A mixture mainly of methane originating from raw gas, if necessary through the processing of the raw gas for the removal or partial removal of some constituents, and which meets specifications for use as a domestic, commercial, or industrial fuel or as an industrial raw material. (Oil and Gas Conservation Act, section 1(1)(m))
Gas (Marketable at 101.325 kPa and 15°C)	The equivalent volume of marketable gas at standard conditions.
Gas (Non-associated)	Gas that is not in communication in a reservoir with an accumulation of liquid hydrocarbons at initial reservoir conditions.
Gas (Raw)	A mixture containing methane, other paraffinic nydrocarbons, nitrogen, carbon dioxide, hydrogen sulphide, helium, and minor impurities, or some of them, which is recovered or is recoverable at a well from an underground reservoir and which is gaseous at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(s.1))
Gas (Solution)	Gas that is dissolved in crude oil under reservoir conditions and evolves as a result of pressure and temperature changes.
Gas-Oil Ratio (Initial Solution)	The volume of gas (in cubic metres, measured under standard conditions) contained in one stock-tank cubic metre of oil under initial reservoir conditions.
Good Production Practice (GPP)	Production of crude oil or raw gas at a rate (i) not governed by a base allowable, but (ii) limited to what can be produced without adversely and significantly affecting conservation, the prevention of waste, or the opportunity of each owner in the pool to obtain his share of production. (Oil and Gas Conservation Regulation 1.020(2)9) This practice is authorized by the Board either to improve the economics of production from a pool and thus defer its abandonment, or to avoid unnecessary administrative expense associated with regulation or production restrictions where this serves little or no purpose.
Gross Heating Value (of dry gas)	The heat liberated by burning moisture-free gas at standard conditions and condensing the water vapour to a liquid state.
Helium	In addition to its normal scientific meaning, a mixture mainly of helium which ordinarily may contain some nitrogen and methane. (Oil and Gas Conservation Act, section 1(1)(k))
Maximum Rate Limitation (MRL)	The maximum rate of production prescribed for the avoidance of waste, after application of any applicable penalty factor.

Mean Formational Depth	The approximate average depth below kelly bushing of the mid-point of an oil or gas productive zone for the wells in a pool.
Methane	In addition to its normal scientific meaning, a mixture mainly of methane which ordinarily may contain some ethane, nitrogen, helium, or carbon dioxide. (Oil and Gas Conservation Act, section 1(1)(m.1))
Natural Gas Liquids	Propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate. (Oil and Gas Conservation Act, section 1(1)(n))
Oil	Condensate or crude oil, or a constituent of raw gas, condensate, or crude oil that is recovered in processing, that is liquid at the conditions under which its volume is measured or estimated. (Oil and Gas Conservation Act, section 1(1)(n.1))
Oil Sands	(i) sands and other rock materials containing crude bitumen, (ii) the crude bitumen contained in those sands and other rock materials, and (iii) any other mineral substances, other than natural gas, in association with that crude bitumen or those sands and other rock materials referred to in subclauses (i) and (ii). (Oil Sands Conservation Act, section 1(1)(n))
Oil Sands Deposit	A natural reservoir containing or appearing to contain an accumulation of oil sands separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(o.1))
Pay Thickness (Average)	The bulk rock volume of a reservoir of oil, oil sands, or gas, divided by its area.
Pentanes Plus	A mixture mainly of pentanes and heavier hydrocarbons which ordinarily may contain some butanes and which is obtained from the processing of raw gas, condensate, or crude oil. (Oil and Gas Conservation Act, section 1(1)(p))
Pool	A natural underground reservoir containing or appearing to contain an accumulation of oil or gas or both separated or appearing to be separated from any other such accumulation. (Oil and Gas Conservation Act, section 1(1)(q))
Porosity	The effective pore space of the rock volume determined from core analysis and well log data, measured as a fraction of rock volume.
Pressure (Initial)	The reservoir pressure at the reference elevation of a pool upon discovery.
Propane	In addition to its normal scientific meaning, a mixture mainly of propane which ordinarily may contain some ethane or butanes. (Oil and Gas Conservation Act, section 1(1)(s))
Recovery (Enhanced)	Recovery of oil, gas, or natural gas liquids by the implementation of an artificially improved depletion process over a part or the whole of a pool, measured as a volume or fraction; the additional oil, gas, or natural gas liquids so recovered. (Oil and Gas Conservation Act, section 1(1)(h))
Recovery (Pool)	In gas pools, the fraction of the in-place reserves of gas expected to be recovered under the subsisting recovery mechanism.
Recovery (Primary)	Recovery of oil by natural depletion processes only, measured as a volume so recovered or a fraction of the in-place oil.
Saturation (Gas)	The fraction of pore space in the reservoir rock occupied by gas upon discovery.

Saturation (Water)	The fraction of pore space in the reservoir rock occupied by water upon discovery.
Shrinkage Factor	The volume occupied by one cubic metre of oil from a pool, measured at standard conditions after flash gas liberation consistent with the surface separation process, divided by the volume occupied by the same oil and gas at the pressure and temperature of a pool upon discovery.
Solvent	A suitable mixture of hydrocarbons ranging from methane to pentanes plus, but consisting largely of methane, ethane, propane, and butanes, for use in enhanced-recovery operations.
Surface Loss	A summation of the fractions of recoverable gas that is removed as acid gas and liquid hydrocarbons, used as lease or plant fuel, or flared.
Temperature	The initial reservoir temperature upon discovery at the reference elevation of a pool.
Zone	Any stratum or any sequence of strata that is designated by the Board as a zone. (Oil and Gas Conservation Act, section 1(1)(z))

1.4 STANDARD CONDITIONS OF GAS MEASUREMENT

Volumes of gas are given as at a standard pressure and temperature of 101.325 kPa and 15°C, respectively.

1.5 SYMBOLS

The symbols used in tables throughout this report have the following meanings:

SI

°C	degree Celsius	M	mega
d	day	m	metre
ha	hectare	mol	mole
J	joule	T	tera
kg	kilogram	t	tonne
kPa	kilopascal		

Imperial

bbl	barrel	psia	pounds per square inch absolute
Btu	British thermal unit	psig	pounds per square inch gauge
cf	cubic foot	stb	stock-tank barrel
d	day		
°F	degree Fahrenheit		

1.6 ABBREVIATIONS

General Report

GIP	gas in place
GPP	good production practice
MER	maximum efficient rate
MRL	maximum rate limitation
RF	recovery factor
RGE	range
STP	standard temperature and pressure
TWP	township
WM	west of a certain meridian

Computer Printout

General abbreviations, found chiefly in the computer printout, have the following meanings:

ABAND	abandoned
ASSOC	associated gas
ADMIN 2	Administrative Area No. 2
BER	beyond economic reach
BLAIR	Blairmore
BLSKY	Bluesky
BOW ISL or BI	Bow Island
BR	Belly River
BSL COLO	Basal Colorado
BSL MANN or BMNV	Basal Mannville
BSL QTZ	Basal Quartz
CARD	Cardium
CDN	Cadomin
CLWTR	Clearwater
CLY	Colony
CMRS	Camrose
COMP	compressibility
DBLT	Debolt
DETR	Detrital
DISC YEAR	discovery year
ELK	Elkton
ELRSL	Ellerslie
ERSO	enhanced-recovery scheme is in operation but no additional established reserves are attributed
FALH	Falher
FRAC	fraction
GEN PETE	General Petroleum
GETH	Gething
GLAUC	Glauconitic
GOR	gas-oil ratio
GRD RAP	Grand Rapids
GROSS HEAT VALUE	gross heating value
INJ	injected
I.S.	integrated scheme
JUR or J	Jurassic
KEY	Keystone
KISK	Kiskatinaw
KR	Keg River
L	lower
LLOYD	Lloydminster
LF	load factor
LMNV or LM	Lower Mannville
LOC EX PROJECT	local experimental project
LOC U	local utility
M	middle
MANN or MN	Mannville
MCM	McMurray
MED HAT	Medicine Hat
MILK RIV	Milk River
MOP	maximum operating pressure
MSKG	Muskeg

NGL	natural gas liquids
NIS	Nisku
NO.	number
NON-ASSOC	non-associated gas
OST	Ostracod
RF	recovery factor
SA	strike area
SATN	saturation
SD	sandstone
SE ALTA GAS SYS (MU)	Southeastern Alberta Gas System—commingled
SG	gas saturation
SHUN	Shunda
SL	surface loss
SOLN	solution gas
SPKY	Sparky
ST. ED	St. Edouard
SULPT	Sulphur Point
SUSP	suspended
SW	water saturation
TEMP	temperature
TVD	true vertical depth
U	upper
UIRE	Upper Ireton
UMNV or UM	Upper Mannville
VIK or VK	Viking
VOL	volume
WAB	Wabamun
WBSK	Wabiskaw
WTR DISP	water disposal
WTR INJ	water injection
1WS	First White Specks
2WS	Second White Specks

Company Names

The following is a list of abbreviations which are used for certain company names:

A&S	Alberta and Southern Gas Co. Ltd.
ATCOR	ATCOR Ltd.
CEL	Canterra Energy Ltd.
CMG	Canadian-Montana Gas Company Limited
CNG	Consolidated Natural Gas Limited
CTYMEDH	City of Medicine Hat
CWNGNUL	Canadian Western Natural Gas Company Limited and Northwestern Utilities Limited
KANNGAZ	KannGaz Producers Ltd.
MIP	Many Islands Pipe Lines Ltd.
NORCEN	Norcen Energy Resources Limited
PANALTA	Pan-Alberta Gas Ltd.
PARAMT	Paramount Resources Ltd.
PROGAS	ProGas Limited
PSR	PSR Gas Ventures Inc.
PWGE	Plains-Western Gas & Electric Co. Ltd.
SIMCHEM	Simplot Chemical Company Ltd.

SLPETRO	Sulpetro Limited
SOQUIP	Societe quebecoise d'initiatives petrolieres
TCPL	TransCanada PipeLines Limited
WCOAST	Westcoast Transmission Company Limited

2 RESERVES OF CONVENTIONAL CRUDE OIL

The Board estimates the remaining established reserves of conventional crude oil in Alberta to be 593 million cubic metres at year-end 1988. This is a net decrease from year-end 1987 of 21 million cubic metres as a result of all reserve adjustments less production that occurred during 1988. The initial established reserves attributed to 1988 pool discoveries totalled 18 million cubic metres, which is a 15 per cent decrease from 1987.

The changes in reserves for light-medium and heavy crude oil during 1988 are shown below:

	1988	**1987**	**Change**
	10^6 m^3		
Initial Established Reserves[a]			
Light-Medium	2 075.2	2 049.4	+25.7
Heavy	156.6	145.5	+11.0
Total	2 231.7 (14 044)[b]	2 195.0 (13 813)[b]	+36.7
Cumulative Production			
Light-Medium	1 535.3	1 486.5	+48.8
Heavy	103.5	95.1	+ 8.4
Total	1 638.8	1 581.6	+57.2
Remaining Established Reserves[a]			
Light-Medium	539.8	563.4	−23.5
Heavy	53.1	50.4	+ 2.6
Total	592.9 (3 731)[b]	613.8 (3 863)[b]	−20.9

---

[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

The net increase in initial established reserves during 1988 of 36.7 million cubic metres comprised 42.3 million cubic metres added from discoveries/additions (new pools, new waterflood projects, and additions to existing primary pools and waterflood projects), 10.2 million cubic metres added due to tertiary mechanisms (new tertiary projects and additions to existing tertiary projects), and a 15.8 million cubic metre reduction as a result of the reassessment of reserves in existing primary and enhanced recovery pools.

Listed below are those light-medium pools for which a change of more than 1 000 000 cubic metres in initial established reserves was made during 1988.

Pool	Initial Established Reserves		Main Reason for Change
	1988	Change	
	10^3 m^3		
Cecil Charlie Lake A	1 578.0	+ 1 578.0	New pool
Fenn-Big Valley D-2 A	48 300.0	− 3 534.0	Reassessment of initial volume in place and recovery factor
Ferrybank Belly River C, G & H	1 899.0	+ 1 276.0	Pool development. Pools commingled
Golden Slave Point A	2 520.0	− 1 180.0	Reassessment of initial volume in place
Harmattan East Viking E	1 991.0	+ 1 231.0	Enhanced-recovery recognition
Judy Creek Beaverhill Lake A	54 100.0	− 3 960.0	Reassessment of waterflood incremental recovery
Kaybob Beaverhill Lake A	18 820.0	+ 1 220.0	Enhanced-recovery recognition
Nipisi Gilwood A	59 750.0	+ 2 020.0	Enhanced-recovery recognition
Rainbow Keg River AA	7 700.0	− 4 700.0	Reassessment of initial volume in place and recovery factor
Sawn Lake Slave Point J	515.0	− 2 058.0	Reassessment of recovery factor
Swan Hills Beaverhill Lake A & B	116 700.0	+ 6 200.0	Enhanced-recovery recognition
Wizard Lake D-3 A	57 800.0	− 1 200.0	Reassessment of recovery factor

Listed below are those heavy oil pools for which a change of more then 250 000 cubic metres in initial established reserves was made during 1988.

Pool	**Initial Established Reserves**		**Main Reason for Change**
	1988	**Change**	
	10^3 m^3		
Chauvin South Sparky E	1 045.0	+ 302.0	Reassessment of initial volume in place and recovery factor
Countess Upper Mannville D	6 155.0	+ 748.1	Enhanced-recovery recognition
Grand Forks Sawtooth D	518.0	+ 351.0	Reassessment of initial volume in place and recovery factor
Grand Forks Sawtooth SS	614.0	+ 350.0	Pool development and reassessment of initial volume in place and recovery factor
Grand Forks Sawtooth WW	1 500.0	+ 330.0	Reassessment of initial volume in place and recovery factor
Hays Sawtooth C	610.0	+ 286.0	Pool development and reassessment of initial volume in place
Jenner Upper Mannville O	632.0	+ 354.0	Reassessment of initial volume in place and recovery factor
Provost Dina S	522.0	+ 301.0	Pool development and reassessment of initial volume in place and recovery factor
Provost Basal Quartz C	850.0	+ 457.0	Pool development and reassessment of initial volume in place and recovery factor
Wainwright Wainwright & Sparky A	13 370.0	+ 291.0	Enhanced-recovery recognition

The Board's estimates of reserves for 1988 are summarized by crude-oil type and recovery mechanism in Table 2-1, by geological period and crude-oil type in Table 2-2, and by geological formation in Table 2-3. These historical data assist in estimating future crude-oil potential as discussed in Chapter 8.

Table 2-4, subdivided into light-medium and heavy crude oil, lists the reserves and reservoir factors to year-end 1988 for each designated non-confidential crude-oil pool in Alberta. A reserve total for undefined and confidential pools is shown at the end of each section.

The map included in the back pocket of this report will assist the reader interested in the geographic distribution of reserves and in locating the fields and pools listed in Table 2-4. The approximate location of each field is shown immediately following the field name in Table 2-4.

TABLE 2-1 SUMMARY OF RESERVES OF CONVENTIONAL CRUDE OIL ATTRIBUTABLE TO VARIOUS RECOVERY MECHANISMS
As at 31 December 1988

Crude-Oil Type and Recovery Mechanism	1 Initial Volume in Place 10^6 m^3	2 Initial Primary Established Reserves 10^6 m^3	3 Average Primary Recovery fraction	4 Initial Enhanced Established Reserves 10^6 m^3	5 Average Enhanced Recovery fraction	6 Initial Total Established Reserves 10^6 m^3	7 Average Total Recovery fraction
Light-Medium							
Primary Depletion	3 284.1	745.0	0.23	0	0	745.0	0.23
Solvent Flood	779.3	215.4	0.28	244.8	0.31	460.2	0.59
Waterflood	2 720.4	452.7	0.17	383.5	0.14	836.2	0.31
Gas Flood	73.2	29.9	0.41	3.8	0.05	33.8	0.46
Heavy							
Primary Depletion	1 105.0	80.2	0.07	0	0	80.2	0.07
Waterflood	263.2	24.5	0.09	51.9	0.20	76.4	0.29
Total[a]	8 225.2	1 547.8	0.19[b]	683.9	0.08[b]	2 231.7	0.27[b]
	(51 760)[c]	(9 740)[c]		(4 304)[c]		(14 044)[c]	

---

[a] Discrepancies are due to rounding.

[b] The estimated recovery for all pools in the province, if depleted under their natural depletion mechanism, would be 19 per cent of initial volume in place. Implementation of enhanced-recovery schemes in some pools is expected to result in an increase in the average recovery factor for all pools in Alberta to 27 per cent.

[c] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-2 DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL BY GEOLOGICAL PERIOD AND CRUDE-OIL TYPE

As at 31 December 1988

	1	2	3	4	5	6	7	8	9	10	11	12
Geological Period	**Initial Volume In Place**			**Initial Established Reserves**			**Remaining Established Reserves**			**Average Recovery**		
	Light-Medium Density	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**	**Light-Medium Density**	**Heavy Density**	**Total**
	10^6 m^3									fraction		
Cretaceous												
Upper	1 927.9	0.1	1 928.0	356.4	0	356.4	125.5	0	125.5	0.18	0	0.18
Lower	806.7	1 191.9	1 998.6	126.7	132.5	259.2	44.1	41.5	85.7	0.16	0.11	0.13
Jurassic	87.7	60.6	148.4	18.9	14.7	33.6	8.3	6.0	14.5	0.22	0.24	0.23
Triassic	197.5	0	197.5	48.6	0	48.6	25.1	0	25.1	0.25	0	0.25
Permian	11.1	0	11.1	3.9	0	3.9	1.5	0	1.5	0.35	0	0.35
Mississippian	545.5	57.7	603.2	81.4	6.1	87.5	15.3	2.8	18.2	0.15	0.11	0.15
Devonian												
Upper	2 256.8	12.8	2 269.6	1 076.2	0.9	1 077.1	180.2	0.6	180.8	0.48	0.07	0.47
Middle	878.9	0	878.9	343.8	0	343.8	122.2	0	122.2	0.39	0	0.39
Other	146.1	44.0	189.8	19.4	2.4	21.8	17.6	2.2	19.6	0.13	0.05	0.12
Total[a]	6 858.0	1 367.1	8 225.2	2 075.2	156.6	2 231.7	539.8	53.1	592.9	0.30	0.11	0.27
	(43 157)[b]	(8 603)[b]	(51 760)[b]	(13 059)[b]	(985)[b]	(14 044)[b]	(3 397)[b]	(334)[b]	(3 731)[b]			

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

TABLE 2-3 GEOLOGICAL DISTRIBUTION OF RESERVES OF CONVENTIONAL CRUDE OIL As at 31 December 1988

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Upper Cretaceous						
Belly River	199.7	33.5	17.0	2.4	1.5	2.9
Cardium	1 641.8	312.5	100.8	20.0	14.0	17.0
Miscellaneous	86.6	10.4	7.7	1.0	0.5	1.3
Subtotal	1 928.0	356.4	125.5	23.4	16.0	21.2
Lower Cretaceous						
Viking	292.8	60.2	17.0	3.6	2.7	2.9
Basal Colorado	11.8	2.7	0.9	0.1	0.1	0.2
Mannville	1 690.7	196.0	67.6	20.6	8.8	11.4
Miscellaneous	3.2	0.3	0.2	0	0	0
Subtotal	1 998.6	259.2	85.7	24.3	11.6	14.4
Jurassic						
Jurassic	62.5	14.4	5.1	0.8	0.6	0.9
Miscellaneous	85.9	19.2	9.4	1.0	0.9	1.6
Subtotal	148.4	33.6	14.5	1.8	1.5	2.4
Triassic						
Triassic	66.0	25.9	8.3	0.8	1.2	1.4
Miscellaneous	131.5	22.7	16.8	1.6	1.0	2.8
Subtotal	197.5	48.6	25.1	2.4	2.1	4.2
Permian	11.1	3.9	1.5	0.1	0.2	0.3
Mississippian						
Rundle	510.6	74.6	10.4	6.2	3.3	1.8
Miscellaneous	92.6	12.9	7.8	1.1	0.6	1.3
Subtotal	603.2	87.5	18.2	7.3	3.9	3.1
Upper Devonian						
Wabamun	44.2	7.2	4.8	0.5	0.3	0.8
Nisku	344.1	170.7	36.4	4.2	7.7	6.1
Leduc	814.5	489.8	40.6	9.9	21.9	6.8
Beaverhill Lake	946.2	389.4	86.5	11.5	17.4	14.6
Miscellaneous	120.6	20.0	12.6	1.5	0.9	2.1
Subtotal	2 269.6	1 077.2	180.8	27.6	48.3	30.5

TABLE 2-3 (continued)

Geological Distribution	1 Initial Volume In Place	2 Initial Established Reserves	3 Remaining Established Reserves	4 Initial Volume in Place	5 Initial Established Reserves	6 Remaining Established Reserves
	10^6 m^3			Percentage of total		
Middle Devonian						
Keg River	563.7	205.1	78.4	6.8	9.2	13.2
Miscellaneous	315.2	138.7	43.8	3.8	6.2	7.4
Subtotal	878.9	343.8	122.2	10.7	15.4	20.6
Undefined and Confidential	189.8	21.8	19.6	2.3	1.0	3.3
Total[a]	8 225.2	2 231.7	592.9	100.0	100.0	100.0
	(51 760)[b]	(14 044)[b]	(3 731)[b]			

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[a] Discrepancies in totals and subtotals are due to rounding.

[b] Imperial equivalent in millions of stock-tank barrels.

ERCB

Reserves of Conventional Crude Oil and Basic Data

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ACHESON 053-26W4								
BLAIRMORE A	879.0	0.14		123.0		123.0	117.9	5.1
BLAIRMORE B	318.0	0.13		41.3		41.3	4.1	37.2
BLAIRMORE C	375.0	0.15		56.3		56.3	45.3	11.0
BLAIRMORE F	370.0	0.25		92.5		92.5	67.5	25.0
BLAIRMORE J	237.0	0.20		47.4		47.4	41.9	5.5
BLAIRMORE K	1 250.0	0.10		125.0		125.0	65.5	59.5
BLAIRMORE L	289.0	<0.04		11.6		11.6	11.6	
BLAIRMORE P	183.0	<0.01		0.1		0.1	0.1	
BLAIRMORE S	139.0	<0.04		5.0		5.0	5.0	
BLAIRMORE V	198.0	0.12		23.8		23.8	12.6	11.2
BLAIRMORE W	79.8	<0.01		0.1		0.1		0.1
BLAIRMORE X	99.8	0.10		10.0		10.0	7.0	3.0
BLAIRMORE Z	42.5	0.10		4.3		4.3	0.3	4.0
BLAIRMORE AA	78.3	0.05		3.9		3.9	1.8	2.1
BLAIRMORE BB	68.0	0.15		10.2		10.2	4.7	5.5
BLAIRMORE CC	27.4	0.10		2.7		2.7	0.5	2.2
BLAIRMORE D & I	2 319.0	0.15		348.0		348.0	137.4	210.6
ELLERSLIE A	343.0	0.03		10.3		10.3	5.4	4.9
ELLERSLIE B	387.0	0.03		11.6		11.6	4.3	7.3
ELLERSLIE C	406.0	<0.01		1.1		1.1	1.1	
DETRITAL A	36.8	<0.26		8.3		8.3	8.3	
DETRITAL C	62.2	0.10		6.2		6.2	0.3	5.9
DETRITAL D	235.0	0.03		7.1		7.1		7.1
WABAMUN A	917.0	<0.01		3.7		3.7	3.7	
D-2 A	775.0	0.58		450.0		450.0	425.9	24.1
D-2 B	50.2	<0.39		19.3		19.3	19.3	
D-2 C	14.7	<0.01		0.1		0.1	0.1	
D-3 A TOTAL	29 650.0			16 010.0	4 790.0	20 800.0	19 247.2	1 552.8
SOLVENT FLOOD AREA	3 700.0	0.54	0.31	2 000.0	1 145.0	3 145.0		
WATER FLOOD AREA	25 950.0	0.54	0.14	14 010.0	3 690.0	17 700.0		
ACHESON EAST 052-25W4								
BLAIRMORE A	492.0	0.25		123.0		123.0	121.6	1.4
BLAIRMORE B	5 970.0	0.15		896.0		896.0	570.6	325.4
BLAIRMORE C	253.0	0.15		38.0		38.0	22.6	15.4
BLAIRMORE D	572.0	0.25		143.0		143.0	91.2	51.8
BLAIRMORE E	226.0	0.25		56.6		56.6	21.1	35.5
BLAIRMORE F	259.0	0.07		18.1		18.1	14.9	3.2
GLAUCONITIC A	67.6	0.10		6.8		6.8	0.3	6.5
DETRITAL A	188.0	0.03		5.6		5.6	4.3	1.3
ADEN 001-09W4								
BOW ISLAND B	221.0	<0.01		1.1		1.1	1.1	
AERIAL 029-18W4								
VIKING A	275.0	<0.01		0.6		0.6	0.6	
MANNVILLE TOTAL	1 480.0			177.0	95.0	272.0	238.6	33.4
PRIMARY AREA	286.0	0.12		34.3		34.3		
GAS FLOOD AREA	1 190.0	0.12	0.08	143.0	95.0	238.0		
MANNVILLE B	167.0	<0.01		0.3		0.3	0.3	
MANNVILLE C	618.0	0.01		6.2		6.2	1.0	5.2
MANNVILLE D	211.0	0.10		21.1		21.1		21.1
ALBRIGHT 071-09W6								
CHARLIE LAKE A	75.1	0.10		7.5		7.5	3.4	4.1
ALIX 040-23W4								
D-2	1 390.0	0.35		487.0		487.0	403.7	83.3
ALLIANCE 040-12W4								
BLAIRMORE	657.0	0.15		98.6		98.6	68.9	29.7
ALSIKE 049-02W5								
BANFF A	149.0	<0.01		0.3		0.3	0.3	
AMBER 115-07W6								
MUSKEG A	14.3	<0.13		1.8		1.8	1.8	
MUSKEG B	159.0	<0.21		32.5		32.5	32.5	
MUSKEG C	129.0	0.30		38.7		38.7	10.1	28.6
MUSKEG D	410.0	0.25		103.0		103.0	3.0	100.0
MUSKEG E	200.0	<0.02		3.3		3.3	3.3	
MUSKEG F	210.0	0.10		21.0		21.0	5.8	15.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
323	1.86	0.220	0.18	0.81	83	839	54	9 270	1 234.4	1952	81 12 - GPP
150	1.95	0.175	0.27	0.85	81	834	54	9 380	1 265.2	1954	64 04 - GPP
48	6.81	0.187	0.27	0.84	82	834	56	9 480	1 270.4	1954	88 12 - GPP
115	2.76	0.180	0.23	0.84	81	855	52	9 380	1 276.8	1950	88 12 - GPP
20	10.97	0.180	0.25	0.80	84	839	52	9 410	1 231.4	1960	88 05 - GPP
235	5.63	0.150	0.75	0.84	76	855	54	10 330	1 253.8	1951	88 05 - GPP
129	1.74	0.214	0.25	0.80	53	855	54	9 380	1 203.7	1950	74 12 - ABAND 74 06
64	3.50	0.170	0.40	0.80	77	840	51	8 912	1 214.3	1980	83 12 - SUSP 81 02
16	7.60	0.187	0.27	0.84	82	834	56	9 456	1 265.5	1954	88 12 - ABAND 68 01
32	5.30	0.190	0.27	0.84	60	867	55	8 983	1 274.2	1983	84 03 - GPP
64	1.50	0.180	0.45	0.84	58	877	56	9 073	1 245.9	1951	84 08 - SUSP 83 11
16	5.50	0.180	0.25	0.84	68	853	56	9 092	1 245.8	1951	88 05 - GPP
16	2.74	0.210	0.45	0.84	81	839	49	8 919	1 246.2	1955	88 05 - GPP
16	5.18	0.150	0.25	0.84	76	855	54	9 568	1 259.3	1969	88 05 - GPP
27	2.70	0.150	0.26	0.84	76	855	54	9 364	1 265.4	1951	88 05 - GPP
16	1.70	0.160	0.25	0.84	51	850	54	9 097	1 255.2	1985	86 03 - GPP
752	3.54	0.170	0.39	0.84	81	839	49	9 200	1 238.8	1951	88 12 - GPP
64	4.80	0.190	0.30	0.84	57	840	54	9 420	1 275.6	1962	85 12 - GPP
64	5.00	0.210	0.28	0.80	70	835	72	9 119	1 239.3	1982	85 12 - GPP
64	6.00	0.220	0.40	0.80	68	845	72	8 952	1 235.0	1981	83 05 - SUSP 85 01
16	2.40	0.190	0.40	0.84	81	840	54	9 400	1 322.8	1951	88 05 - ABAND 87 02
16	2.40	0.230	0.20	0.88	74	857	49	9 075	1 301.8	1987	88 04
64	3.66	0.190	0.40	0.88	60	840	56		1 328.5	1952	88 12 - GPP
64	28.80	0.090	0.35	0.85	60	885	42	7 855	1 314.0	1982	82 06 - SUSP 83 05
486	8.17	0.034	0.30	0.82	64	834	57	10 900	1 397.5	1952	87 12 - GPP
65	6.10	0.024	0.36	0.83	64	834	56	10 900	1 419.8	1952	64 04 - ABAND 71 09
64	1.00	0.040	0.30	0.82	66	834	58	11 040	1 434.6	1951	88 12 - SUSP 86 02
1 542					90	834	60	11 930	1 547.8	1950	88 01
246	18.87	0.114	0.08	0.76							
1 296	25.12	0.114	0.08	0.76							
84	5.51	0.182	0.27	0.80	74	839	52	9 200	1 208.5	1953	83 12 - GPP
1 236	4.79	0.180	0.30	0.80	74	839	52	9 310	1 239.0	1957	88 12 - GPP
64	4.00	0.190	0.35	0.80	74	857	52	8 826	1 235.8	1981	88 12 - GPP
132	4.04	0.200	0.33	0.80	71	845	51	9 218	1 238.7	1958	85 09 - GPP
32	6.80	0.200	0.35	0.80	56	854	50	8 619	1 260.8	1983	85 12 - GPP
64	4.00	0.190	0.35	0.82				8 780	1 181.0	1971	88 08
16	3.60	0.170	0.25	0.92	26	945	50	9 011	1 155.8	1965	84 11 - SUSP 86 01
64	3.00	0.210	0.45	0.85	60	857	49	9 305	1 279.5	1980	85 12 - SUSP 86 04
128	1.39	0.230	0.40	0.90	21	839	32	4 480	637.9	1967	85 06 - SUSP 85 04
64	5.10	0.150	0.25	0.75	125	832	43	8 660	1 116.5	1979	83 12 - SUSP 80 08
391					78	849	48	9 930	1 283.5	1958	83 07
81	2.42	0.223	0.20	0.82							
310	2.62	0.223	0.20	0.82							- GPP - MRL
64	4.90	0.130	0.50	0.82	73	867	47	9 731	1 297.5	1979	84 12 - SUSP 81 11
64	11.00	0.150	0.22	0.75	112	854	43	9 350	1 323.5	1979	88 07
64	3.90	0.172	0.40	0.82	78	850	24	7 345	1 293.3	1980	83 12
64	1.90	0.090	0.12	0.78	76	832	73	15 569	2 344.4	1983	84 05
966	4.39	0.057	0.19	0.71	152	825	59	16 620	1 823.9	1956	84 12 - GPP
137	3.21	0.250	0.35	0.92	29	898	35	6 620	961.9	1951	86 12 - GPP
64	3.50	0.120	0.35	0.85	77	900	64	15 960	1 548.5	1980	83 12 - SUSP 81 10
2	17.50	0.060	0.15	0.80	73	844	72	15 100	1 506.9	1968	71 05 - SUSP 70 03
17	22.74	0.065	0.15	0.76	95	834	70	15 380	1 565.1	1968	83 12 - SUSP 81 11
64	10.50	0.030	0.20	0.80	64	800	82	14 623	1 577.3	1982	83 01
64	12.70	0.070	0.10	0.80	86	846	70	12 072	1 521.8	1983	84 08 - SUSP 87 06
64	5.00	0.085	0.08	0.80	68	856	78	13 109	1 535.1	1983	88 12 - SUSP 86 07
64	5.40	0.090	0.10	0.75	139	820	72	14 849	1 520.3	1984	86 09

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
AMBER 115-07W6 (CONTINUED)								
MUSKEG G	471.0	0.25		118.0		118.0	2.6	115.4
MUSKEG H	316.0	0.10		31.6		31.6	0.1	31.5
KEG RIVER A	365.0	0.12		43.8		43.8	36.3	7.5
KEG RIVER B	540.0	<0.06		27.9		27.9	27.9	
KEG RIVER C	255.0	<0.08		20.1		20.1	20.1	
KEG RIVER E	330.0	0.25		82.5		82.5	55.9	26.6
KEG RIVER F	222.0	<0.23		50.7		50.7	50.7	
KEG RIVER G	200.0	<0.22		42.9		42.9	42.9	
KEG RIVER I	115.0	<0.05		4.8		4.8	4.8	
KEG RIVER J	466.0	<0.01		0.2		0.2	0.2	
KEG RIVER P	300.0	0.30		90.0		90.0	21.7	68.3
KEG RIVER Q	295.0	0.40		118.0		118.0	53.3	64.7
KEG RIVER R	300.0	0.30		90.0		90.0	31.4	58.6
KEG RIVER S	300.0	0.30		90.0		90.0	17.9	72.1
KEG RIVER T	518.0	0.25		130.0		130.0	29.6	100.4
KEG RIVER U	797.0	<0.02		15.8		15.8	15.8	
KEG RIVER V	600.0	0.20		120.0		120.0	9.0	111.0
KEG RIVER W	610.0	0.30		183.0		183.0	25.2	157.8
KEG RIVER X	44.8	<0.04		1.6		1.6	1.6	
KEG RIVER Y	305.0	0.20		61.0		61.0	3.5	57.5
KEG RIVER AA	300.0	0.15		45.0		45.0	15.7	29.3
KEG RIVER BB	86.3	0.35		30.2		30.2	9.8	20.4
KEG RIVER CC	450.0	0.25		112.5		112.5	31.9	80.6
AMIGO 120-08W6								
MUSKEG A	104.0	<0.01		0.9		0.9	0.9	
KEG RIVER A	100.0	<0.12		11.9		11.9	11.9	
KEG RIVER B	600.0	0.40		240.0		240.0	153.2	86.8
KEG RIVER C	184.0	0.40		73.6		73.6	42.1	31.5
KEG RIVER D	1 330.0	<0.03		39.5		39.5	39.5	
KEG RIVER E	100.0	0.30		30.0		30.0	9.4	20.6
KEG RIVER F	334.0	0.25		83.5		83.5	14.7	68.8
KEG RIVER G	276.0	0.35		96.6		96.6	25.1	71.5
KEG RIVER H	320.0	0.30		96.0		96.0	6.7	89.3
KEG RIVER I	70.0	0.16		11.3		11.3	11.3	
KEG RIVER J	200.0	0.35		70.0		70.0	16.8	53.2
ANTE CREEK 065-24W5								
DUNVEGAN A	288.0	<0.01		0.7		0.7	0.7	
NORDEGG A	670.0	0.05		33.5		33.5	6.2	27.3
BEAVERHILL LAKE SOLVENT FLOOD	5 930.0	0.16	0.44	949.0	2 610.0	3 560.0	1 977.5	1 582.5
BEAVERHILL LAKE B	1 670.0	0.35		585.0		585.0	469.2	115.8
GILWOOD A	46.1	<0.01		0.2		0.2		0.2
ARMADA 017-19W4								
UPPER MANNVILLE A	724.0	0.10		72.4		72.4	14.9	57.5
BASAL QUARTZ G	107.0	<0.01		0.1		0.1		0.1
ARMISIE 052-25W4								
BLAIRMORE	2 170.0	0.20		434.0		434.0	319.2	114.8
ASTOTIN 054-18W4								
VIKING D	109.0	<0.01		0.4		0.4	0.4	
VIKING H	194.0	0.03		5.8		5.8	3.7	2.1
VIKING I	187.0	<0.01		0.2		0.2	0.2	
BADGER 016-18W4								
UPPER MANNVILLE A	103.0	<0.01		0.4		0.4	0.4	
BARONS 012-23W4								
COLORADO	280.0	<0.30		83.1		83.1	83.1	
BARONS A	313.0	0.05		15.7		15.7	8.1	7.6
BARONS B	102.0	0.10		10.2		10.2	0.3	9.9
BOW ISLAND A	64.8	<0.01		0.2		0.2	0.2	
BASHAW 041-23W4								
BASAL MANNVILLE J	146.0	<0.01		1.3		1.3	1.3	
D-2 A	992.0	<0.03		25.0		25.0	21.1	3.9
D-2 B	1 800.0	0.35		630.0		630.0	168.4	461.6
D-2 C	733.0	0.35		257.0		257.0	26.5	230.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	7.68	0.071	0.10	0.75	64	828	68	16 597	1 503.4	1984	88 02
64	7.00	0.100	0.15	0.83	64	857	68	15 309	1 497.0	1987	88 09
19	43.10	0.070	0.15	0.75	110	825	72	15 510	1 566.1	1968	81 12 - GPP
38	37.95	0.060	0.17	0.75	111	825	72	15 560	1 566.4	1968	79 04 - SUSP 78 06
12	36.79	0.093	0.15	0.73	127	40	76	15 583	1 581.6	1968	88 12 - SUSP 87 01
28	39.00	0.070	0.40	0.72	125	825	76	15 650	1 580.1	1968	84 11
14	26.35	0.097	0.15	0.73	126	829	67	15 450	1 575.8	1968	70 02 - SUSP 84 05
14	27.00	0.090	0.15	0.68	157	820	72	15 220	1 557.8	1969	88 12 - SUSP 86 06
16	24.23	0.052	0.25	0.77	152	820	72	15 040	1 549.0	1969	78 12 - GPP
15	40.23	0.120	0.15	0.74	110	829	77	15 170	1 578.6	1969	71 01 - SUSP 70 10
25	18.30	0.100	0.10	0.72	128	820	76	15 461	1 605.0	1982	85 07
33	21.00	0.070	0.23	0.78	93	826	73	15 196	1 567.5	1982	85 04
19	23.60	0.100	0.13	0.77	93	829	73	15 433	1 588.3	1984	85 04
30	35.07	0.060	0.34	0.72	127	800	76	15 555	1 580.8	1983	86 06
64	12.00	0.100	0.10	0.75	138	806	71	15 124	1 599.0	1984	85 03
64	21.20	0.089	0.12	0.75	115	834	67	15 244	1 564.4	1984	85 03 - SUSP 87 05
24	42.00	0.095	0.13	0.72	127	810	76	15 142	1 564.3	1985	86 07
45	35.90	0.063	0.20	0.75	107	820	83	15 022	1 589.0	1985	87 05
13	10.85	0.058	0.27	0.75	115	820	80	14 965	1 568.0	1986	86 10 - SUSP 87 09
64	10.80	0.076	0.12	0.66	176	837	82	14 911	1 593.7	1987	87 12
16	26.71	0.100	0.10	0.78	53	823		15 600	1 602.5		87 07
15	18.56	0.045	0.16	0.82	74	817	78	15 757	1 620.5	1984	84 09
32	15.38	0.127	0.10	0.80	70	832	68	15 532	1 606.0	1985	86 06
64	3.50	0.080	0.13	0.67	155	808	83	15 350	1 787.0	1983	88 12 - SUSP 86 06
6	55.10	0.054	0.20	0.70	130	833	83	15 829	1 814.3	1981	86 09 - SUSP 86 06
13	96.96	0.080	0.15	0.70	135	804	74	15 322	1 756.0	1979	86 06
6	58.17	0.080	0.11	0.74	118	850	71	16 104	1 725.0	1982	85 05
64	60.13	0.060	0.20	0.72				15 272	1 794.0	1968	79 12 - SUSP 79 02
9	38.00	0.060	0.25	0.65	160	814	78	15 478	1 804.0	1982	88 07
19	32.11	0.100	0.13	0.63	170	826	71	16 119	1 746.0	1982	86 06
29	32.79	0.060	0.18	0.59	233	803	81	16 766	1 803.4	1983	86 06
10	52.30	0.096	0.09	0.70	100	816	77	15 490	1 786.5	1985	86 06 - SUSP 87 04
5	20.80	0.120	0.20	0.70	233	803	81	15 956	1 852.0	1982	86 09
17	37.60	0.058	0.17	0.65	159	830	70	15 525	1 758.8	1986	87 05
64	4.61	0.181	0.35	0.83	62	834	59	10 340	1 365.8	1974	74 12 - ABAND 79 02
16	21.30	0.230	0.10	0.95	10	953	64	29 034	2 052.8	1987	87 08
3 633	6.92	0.063	0.22	0.48	342	806	110	35 580	3 434.8	1963	64 04
1 540	3.90	0.057	0.25	0.65	166	820	103	37 605	3 391.5	1966	71 02
65	2.44	0.090	0.35	0.50	35	806	127	34 820	3 397.9	1965	65 05 - SUSP 66 02
64	7.90	0.208	0.19	0.85	62	896	45	11 718	1 196.3	1980	81 03
64	2.00	0.160	0.40	0.87	60	871	36	12 308	1 213.4	1984	88 12 - SUSP 86 06
407	4.76	0.180	0.25	0.83	79	834	49	9 520	1 238.1	1951	87 12 - GPP
64	1.50	0.210	0.40	0.90	41	864	23	4 554	683.3	1981	88 12 - SUSP 86 11
64	2.20	0.250	0.40	0.92	30	846	28	5 181	687.6	1983	86 12
64	2.20	0.240	0.40	0.92	30	846	28	5 570	681.0	1984	88 12 - ABAND 86 02
65	1.22	0.230	0.35	0.87	51	881	54	12 250	1 125.9	1974	76 04 - SUSP 76 06
221	0.82	0.227	0.20	0.85	51	855	37	9 380	1 253.6	1950	75 12 - ABAND 85 10
192	1.88	0.170	0.40	0.85	62	857	35	5 237	1 349.6	1986	87 09
64	1.83	0.170	0.40	0.85	62	856	36	5 235	1 352.1	1987	87 09
65	1.52	0.140	0.50	0.94	23	855	34	5 000	1 307.9	1973	74 12 - ABAND 76 09
64	2.70	0.170	0.40	0.83	76	844	42	10 590	1 478.7	1978	85 12 - ABAND 88 06
903	4.82	0.037	0.20	0.77	93	844	57	16 270	1 715.1	1951	88 12 - GPP
429	5.90	0.110	0.16	0.77	88	830	62	12 856	1 800.2	1973	87 12
64	18.20	0.090	0.18	0.76	107	825	70	14 022	1 740.0	1987	88 03

TABLE 2-4

FIELD POOL	1	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7	8
	INITIAL VOLUME IN PLACE 10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	CUMULATIVE PRODUCTION 10^3m^3	REMAINING ESTABLISHED RESERVES 10^3m^3
BASHAW 041-23W4 (CONTINUED)								
IRETON A	416.0	0.07		29.1		29.1	26.2	2.9
D-3 A	1 600.0	0.35		560.0		560.0	499.3	60.7
D-3 B	264.0	0.10		26.4		26.4	22.2	4.2
D-3 C	160.0	<0.01		0.1		0.1	0.1	
D-3 D	57.8	<0.01		0.1		0.1		0.1
BASSANO 021-18W4								
OSTRACOD A	136.0	<0.01		1.0		1.0	1.0	
BATTLE 046-20W4								
VIKING	824.0	0.25		206.0		206.0	169.3	36.7
BATTLE NORTH 046-20W4								
VIKING	242.0	0.28		67.7		67.7	63.8	3.9
BATTLE SOUTH 045-20W4								
VIKING	937.0	0.30		281.0		281.0	202.1	78.9
BEATON 087-02W6								
WABAMUN A	102.0	0.10		10.2		10.2	3.1	7.1
BEAVERHILL LAKE 052-19W4								
UPPER VIKING F	150.0	<0.01		0.4		0.4	0.4	
BELLOY 078-01W6								
BELLOY A	68.5	0.15		10.3		10.3	8.5	1.8
BELLOY B	78.2	0.10		7.8		7.8	2.6	5.2
D-1 A	329.0	0.20		65.8		65.8	19.3	46.5
D-1 B	1 425.0	0.20		285.0		285.0	32.3	252.7
D-1 C	92.7	0.20		18.5		18.5	5.6	12.9
D-1 D	1 729.0	0.20		348.0		348.0	23.6	324.4
BELLSHILL LAKE 041-12W4								
UPPER VIKING A	67.7	<0.01		0.2		0.2	0.2	
BLAIRMORE	30 800.0	0.40		12 300.0		12 300.0	10 025.2	2 274.8
BLAIRMORE E	1 400.0	0.03		42.0		42.0	10.5	31.5
BLAIRMORE F	31.3	<0.01		0.3		0.3	0.3	
BLAIRMORE G	214.0	0.10		21.4		21.4	3.1	18.3
ELLERSLIE A	1 530.0	0.05		76.5		76.5	11.6	64.9
ELLERSLIE C	51.1	<0.01		0.1		0.1	0.1	
BERRY 027-12W4								
UPPER MANNVILLE C	4 230.0	0.05		212.0		212.0	42.7	169.3
BIGORAY 052-08W5								
BELLY RIVER A	239.0	0.10		23.9		23.9	2.0	21.9
CARDIUM B TOTAL	3 105.0			311.0	760.0	1 071.0	548.0	523.0
PRIMARY AREA	65.0	0.10		6.5		6.5		
WATER FLOOD AREA	3 040.0	0.10	0.25	304.0	760.0	1 064.0		
OSTRACOD TOTAL	2 908.0			349.0	685.0	1 034.0	799.9	234.1
PRIMARY AREA	458.0	0.12		55.0		55.0		
WATER FLOOD AREA	2 450.0	0.12	0.28	294.0	685.0	979.0		
OSTRACOD B	321.0	<0.02		4.4		4.4	4.4	
ELLERSLIE A	266.0	0.02		5.3		5.3	3.7	1.6
ELLERSLIE B	277.0	0.10		27.7		27.7	6.9	20.8
ELLERSLIE D TOTAL	1 070.0			107.0	190.0	297.0	104.0	193.0
PRIMARY AREA	118.0	0.10		11.8		11.8		
WATER FLOOD AREA	950.0	0.10	0.20	95.0	190.0	285.0		
ELLERSLIE E	142.0	0.10		14.2		14.2	8.4	5.8
ELLERSLIE G TOTAL	1 320.0			132.0	90.0	222.0	83.1	138.9
PRIMARY AREA	820.0	0.10		82.0		82.0		
WATER FLOOD AREA	500.0	0.10	0.18	50.0	90.0	140.0		
ROCK CREEK A	187.0	0.10		18.7		18.7	5.1	13.6
ROCK CREEK B	37.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C	130.0	0.05		6.5		6.5	5.5	1.0
NISKU A WATER FLOOD	740.0	0.30	0.15	222.0	111.0	333.0	247.6	85.4
NISKU B SOLVENT FLOOD	1 500.0	0.30	0.30	450.0	450.0	900.0	529.6	370.4
NISKU C WATER FLOOD	1 200.0	0.35	0.11	420.0	132.0	552.0	127.0	425.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	15.54	0.074	0.30	0.80	76	910	51	16 270	1 717.2	1963	84 12 - GPP
1 375	3.05	0.067	0.15	0.67	163	825	58	16 070	1 756.6	1951	84 12 - GPP
130	4.72	0.077	0.20	0.70	142	829	58	15 270	1 746.5	1966	83 12 - GPP
64	4.00	0.110	0.15	0.67	163	827	58	16 065	1 709.5	1985	85 09 - SUSP 86 01
64	2.50	0.070	0.23	0.67	163	895	54	12 624	1 736.5	1986	86 10 - SUSP 86 11
64	1.80	0.210	0.34	0.85	68	883	31	9 564	1 179.1	1984	84 11 - SUSP 85 08
574	1.82	0.146	0.40	0.90	35	839	37	5 690	983.9	1953	83 12 - GPP
258	1.16	0.150	0.40	0.90	35	839	37	5 690	990.3	1954	64 04 - GPP
451	2.53	0.152	0.40	0.90	35	839	37	5 857	970.2	1954	84 07 - GPP
64	5.79	0.050	0.19	0.67	160	876	62	15 800	1 654.1	1974	81 12
64	2.00	0.200	0.35	0.90	29	864	38	5 163	794.0	1978	85 12 - ABAND 83 07
64	1.70	0.110	0.31	0.83	66	868	45	11 514	1 257.7	1951	85 12 - GPP
64	2.00	0.130	0.39	0.77	100	885	40	11 425	1 248.7	1985	85 08
64	26.30	0.030	0.13	0.75	145	865	65	17 762	2 078.8	1984	86 10
256	35.65	0.026	0.23	0.78	111	884	60	21 633	2 041.6	1986	88 07
64	6.80	0.040	0.29	0.75	96	850	67	22 071	2 068.8	1985	85 10
128	63.30	0.037	0.27	0.79	88	838	56	22 939	2 115.8	1987	87 12
64	0.93	0.250	0.50	0.91	37	849	27	5 520	767.8	1957	75 12 - ABAND 84 07
2 368	7.08	0.267	0.26	0.93	29	892	34	6 480	919.6	1956	85 02 - GPP
218	4.60	0.200	0.25	0.93	28	899	32	6 220	955.1	1977	86 12 - GPP
16	2.00	0.150	0.30	0.93	26	866	33	5 935	921.6	1979	85 12 - SUSP 83 09
64	4.00	0.150	0.40	0.93	26	894	30	5 703	980.8	1985	86 06
112	6.64	0.270	0.18	0.93	28	913	33	6 454	974.7	1983	85 12
16	1.60	0.280	0.25	0.95	40	922	34	6 387	984.8	1984	81 12 - ABAND 87 10
1 437	2.97	0.190	0.41	0.88	49	828	43	9 601	1 101.2	1980	84 04
64	4.00	0.195	0.45	0.87	54	822	34	7 824	1 084.1	1987	88 03
884					50	872	49	14 990	1 492.7	1978	88 04
52	3.81	0.043	0.15	0.90							
832	4.54	0.108	0.18	0.90							
1 290					111	839	59	17 240	1 795.6	1959	87 12
293	1.57	0.187	0.30	0.76							
997	2.47	0.187	0.30	0.76							
64	4.00	0.220	0.25	0.76	120	834	60	17 650	1 841.6	1968	81 12 - ABAND 80 10
64	4.00	0.190	0.30	0.78	89	839	60	7 671	1 785.3	1979	81 12
64	2.44	0.320	0.29	0.78	25	853	50	4 550	1 816.6	1974	80 09
512					111	833	64	16 202	1 820.1	1979	86 01
64	3.09	0.130	0.39	0.75							
448	3.51	0.130	0.38	0.75							
64	3.24	0.137	0.39	0.82	70	843	65	14 471	1 821.6	1979	80 10
448					113	853	50	16 555	1 800.3	1978	86 06
258	4.78	0.130	0.28	0.71							
190	4.54	0.120	0.32	0.71							
64	3.00	0.200	0.30	0.70	135	840	62	16 466	1 780.2	1977	82 03 - GPP
80	1.50	0.110	0.60	0.70	121	840	57	15 097	1 770.4	1979	85 07 - GPP
93	2.19	0.140	0.35	0.70	121	840	57	15 739	1 770.4	1979	85 07 - GPP
66	30.50	0.062	0.28	0.82	73	847	73	20 180	2 347.6	1978	81 02
67	49.24	0.067	0.22	0.87	71	834	76	21 725	2 340.0	1978	81 06
82	32.96	0.075	0.26	0.80	106	860	79	21 940	2 423.7	1978	87 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	2 PRIMARY frac	3 ENHANCED frac	4 PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	10^3m^3	10^3m^3
BIGORAY 052-08W5 (CONTINUED)								
NISKU D WATER FLOOD	2 200.0	0.40	0.10	880.0	220.0	1 100.0	393.7	706.3
NISKU E WATER FLOOD	2 000.0	0.35	0.10	700.0	200.0	900.0	416.1	483.9
NISKU F SOLVENT FLOOD	2 800.0	0.40	0.36	1 120.0	1 010.0	2 130.0	1 174.4	955.6
NISKU G WATER FLOOD	924.0	0.30	0.20	277.0	185.0	462.0	310.3	151.7
NISKU H WATER FLOOD	2 200.0	0.30	0.12	660.0	264.0	924.0	458.5	465.5
NISKU I WATER FLOOD	600.0	0.33	0.10	200.0	60.0	260.0	160.2	99.8
NISKU K WATER FLOOD	870.0	0.30	0.15	261.0	131.0	392.0	251.8	140.2
BIGSTONE 060-22W5								
CARDIUM B	149.0	0.10		14.9		14.9	7.2	7.7
CARDIUM C	49.3	0.30		14.8		14.8	10.0	4.8
BILAWCHUK 080-09W6								
HALFWAY A	394.0	<0.01		0.2		0.2	0.2	
BILBO 065-06W6								
A CARDIUM A	440.0	0.15		66.0		66.0	28.4	37.6
A CARDIUM B	169.0	0.10		16.9		16.9	7.5	9.4
BITTERN LAKE 046-22W4								
NISKU A	180.0	<0.01		0.2		0.2	0.2	
BLACK 110-09W6								
MUSKEG A	150.0	0.30		45.0		45.0	31.3	13.7
MUSKEG C	360.0	0.15		54.0		54.0	26.2	27.8
KEG RIVER A WATER FLOOD	2 860.0	0.15	0.10	429.0	286.0	715.0	640.5	74.5
KEG RIVER B	222.0	0.10		22.2		22.2	2.7	19.5
BLACKFOOT 022-23W4								
LOWER MANNVILLE A	106.0	0.20		21.2		21.2	16.4	4.8
BLOOR 033-12W4								
GLAUCONITIC C	123.0	<0.01		0.2		0.2	0.2	
ELLERSLIE A	51.9	0.10		5.2		5.2	0.1	5.1
BONANZA 081-11W6								
BOUNDARY A WATER FLOOD	5 910.0	0.12	0.12	739.0	739.0	1 478.0	346.7	1 131.3
BONNIE GLEN 046-27W4								
CARDIUM A	4 130.0	0.05		207.0	ERSO	207.0	198.5	8.5
D-2 A	138.0	<0.08		9.8		9.8	9.8	
D-3 A	125 000.0	<0.68		84 700.0		84 700.0	79 663.3	5 036.7
BOUNDARY LAKE SOUTH 085-13W6								
TRIASSIC B	131.0	<0.01		0.2		0.2	0.2	
TRIASSIC C TOTAL	3 010.0			362.0	324.0	686.0	403.9	282.1
PRIMARY AREA	312.0	0.12		37.6		37.6		
WATER FLOOD AREA	2 700.0	0.12	0.12	324.0	324.0	648.0		
TRIASSIC E TOTAL	11 800.0			1 130.0	2 790.0	3 920.0	2 790.4	1 129.6
PRIMARY AREA	2 500.0	0.10		200.0		200.0		
WATER FLOOD AREA	9 300.0	0.10	0.30	930.0	2 790.0	3 720.0		
TRIASSIC F	50.0	<0.01		0.2		0.2	0.2	
TRIASSIC H TOTAL	3 655.0			366.0	578.0	944.0	298.7	645.3
PRIMARY AREA	145.0	0.10		44.5		44.5		
WATER FLOOD AREA	3 210.0	0.10	0.18	321.0	578.0	899.0		
TRIASSIC I	475.6	0.10		47.5		47.5	22.6	24.9
CHARLIE LAKE A	231.0	0.10		23.1		23.1	6.3	16.8
BOUNDARY A	1 038.0	0.10		104.0		104.0	29.6	74.4
BOUNDARY C	90.8	<0.01		0.1		0.1	0.1	
BRAEBURN 077-10W6								
BOUNDARY A	204.0	0.20		40.8		40.8	19.4	21.4
BOUNDARY B	246.0	0.10		24.6		24.6	9.5	15.1
BRANT 019-25W4								
TURNER VALLEY A	103.0	<0.01		0.1		0.1		0.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
190	18.48	0.088	0.11	0.80	84	841	80	29 100	2 496.4	1978	79 04
100	45.57	0.060	0.10	0.81	56	835	80	28 448	2 504.4	1978	81 12
52	66.00	0.110	0.07	0.80	71	834	78	22 000	2 400.0	1977	87 07
67	20.20	0.120	0.28	0.79	88	835	74	20 343	2 340.4	1978	88 12
58	46.00	0.120	0.18	0.84	50	842	73	18 740	2 290.3	1979	83 01
51	25.10	0.092	0.32	0.76	100	840	73	17 940	2 285.7	1978	81 11
43	40.05	0.081	0.23	0.81	63	848	69	19 360	2 301.2	1979	88 02
64	3.69	0.100	0.17	0.76	110	865	49	16 024	1 820.0	1976	76 12
64	2.10	0.070	0.31	0.76	150	852	60	20 886	1 822.5	1980	88 08
64	12.51	0.113	0.42	0.75	100	844	61	11 750	1 485.5	1984	88 12 - SUSP 86 02
576	1.78	0.110	0.35	0.60	211	803	51	12 812	1 507.1	1985	88 04
192	1.80	0.100	0.35	0.75	120	835	43	14 459	1 377.0	1979	88 05
64	7.50	0.080	0.45	0.85	55	875	41	10 182	1 373.5	1982	82 07 - SUSP 82 09
64	7.54	0.060	0.30	0.74	62	829	85	15 950	1 916.6	1969	82 08 - GPP
48	15.20	0.079	0.16	0.74	96	830	84	16 022	1 863.1	1967	86 11
80	82.00	0.078	0.14	0.65	160	806	91	18 730	1 993.7	1967	79 12 - GPP
20	30.50	0.070	0.20	0.65	160	806	85	16 480	1 742.5	1968	84 12 - SUSP 86 11
128	0.92	0.150	0.25	0.80	83	845	43	12 680	1 542.4	1963	80 03 - GPP
64	2.80	0.180	0.55	0.85	56	862	38	8 417	1 066.6	1982	88 12 - ABAND 87 08
64	0.80	0.180	0.36	0.88	52	863	42	8 599	1 128.9	1987	88 03
2 500	2.60	0.150	0.28	0.84	94	62	54	13 475	1 388.9	1973	87 07
1 318	3.26	0.130	0.16	0.88	41	834	49	14 270	1 204.3	1955	83 12 - GPP
67	6.28	0.057	0.20	0.72	124	815	76	14 270	1 946.5	1952	71 12 - ABAND 71 10
3 120	59.13	0.106	0.06	0.68	141	815	81	17 100	2 165.6	1951	83 12
65	1.83	0.197	0.25	0.75	98	844	46	13 100	1 385.6	1965	68 03 - ABAND 67 09
752					110	844	48	12 640	1 306.1	1968	82 08
64	3.20	0.210	0.09	0.80							
688	2.57	0.210	0.09	0.80							- GPP
4 380					92	846	47	12 860	1 330.0	1964	88 01
1 024	2.38	0.153	0.15	0.79							
3 356	2.55	0.160	0.14	0.79							
64	0.61	0.175	0.05	0.77	106	844	46	12 560	1 317.7	1965	80 04 - SUSP 79 11
1 562				0.79	92	844	49	12 752	1 283.9	1973	88 08
64	4.99	0.196	0.10	0.79							
1 498	1.99	0.160	0.15	0.79							
192	2.08	0.175	0.18	0.83	62	844	47	12 240	1 303.9	1977	80 11
64	2.50	0.210	0.15	0.81	36	927	42	22 719	1 291.3	1983	84 12
560	1.51	0.170	0.13	0.83	90	844	50	11 468	1 281.9	1983	88 10
64	1.60	0.120	0.11	0.83	60	844	50	12 800	1 312.0	1984	88 12 - SUSP 86 03
128	2.15	0.130	0.16	0.68	110	813	75	15 078	1 787.3	1982	87 12
64	4.00	0.120	0.13	0.92	16	856	67	14 533	1 843.1	1983	84 01
64	7.70	0.050	0.45	0.76	108	900	64	14 690	1 469.0	1980	80 06 - ABAND 85 08

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BRAZEAU RIVER 046-13W5								
BELLY RIVER A	94.1	<0.01		1.4		1.4	1.4	
BELLY RIVER C	964.0	0.10		96.4		96.4	25.2	71.2
BELLY RIVER D	194.0	0.10		19.4		19.4	6.4	13.0
BELLY RIVER E	1 044.0	0.10		104.0		104.0	15.0	89.0
BELLY RIVER F	118.0	0.10		11.8		11.8	5.2	6.6
BELLY RIVER G	113.0	0.10		11.3		11.3	1.8	9.5
BELLY RIVER I	127.0	0.10		12.7		12.7	0.2	12.5
BELLY RIVER J	174.0	0.10		17.4		17.4		17.4
BELLY RIVER K	184.0	0.10		18.4		18.4	7.7	10.7
BELLY RIVER M	214.0	0.10		21.4		21.4	0.2	21.2
BELLY RIVER N	183.0	0.10		18.3		18.3	0.4	17.9
BELLY RIVER O	318.0	0.10		31.8		31.8	0.3	31.5
BELLY RIVER P	186.0	0.10		18.6		18.6	1.3	17.3
BELLY RIVER Q	525.0	0.10		52.5		52.5	1.8	50.7
BELLY RIVER S	252.0	0.10		25.2		25.2	0.4	24.8
BELLY RIVER T	133.0	0.10		13.3		13.3	0.7	12.6
BELLY RIVER U	151.0	0.10		15.1		15.1	3.0	12.1
BELLY RIVER V	79.0	0.10		7.9		7.9	1.5	6.4
BELLY RIVER W	171.0	0.10		17.1		17.1	1.8	15.3
BELLY RIVER X	559.0	0.10		55.9		55.9		55.9
BELLY RIVER Z	269.0	<0.01		0.3		0.3	0.3	
BELLY RIVER AA	225.0	0.10		22.5		22.5	1.3	21.2
BELLY RIVER BB	113.0	0.15		17.0		17.0	13.0	4.0
BELLY RIVER EE	77.0	0.10		7.7		7.7		7.7
BELLY RIVER FF	446.0	0.10		44.6		44.6		44.6
BELLY RIVER GG	157.0	0.10		15.7		15.7		15.7
BELLY RIVER H & Y	4 745.0	0.10		475.0		475.0	268.1	206.9
CARDIUM A	193.0	0.10		19.3		19.3	16.6	2.7
CARDIUM C	2 500.0	0.15		375.0		375.0	113.3	261.7
CARDIUM D	89.2	<0.01		0.5		0.5	0.5	
CARDIUM G	188.0	0.15		28.2		28.2	12.2	16.0
CARDIUM I	200.0	0.15		30.0		30.0	16.9	13.1
CARDIUM K	188.0	0.12		22.6		22.6	18.7	3.9
CARDIUM O	52.3	0.15		7.8		7.8	4.4	3.4
CARDIUM P	205.0	0.15		30.8		30.8	11.3	19.5
CARDIUM Q	38.6	0.10		3.9		3.9	1.8	2.1
CARDIUM R	331.0	0.08		26.5		26.5	25.6	0.9
VIKING A	465.0	0.15		70.0		70.0	26.0	44.0
VIKING D	2 750.0	0.17		468.0		468.0	185.1	282.9
LOWER MANNVILLE A	121.0	0.10		12.1		12.1	9.7	2.4
LOWER MANNVILLE B	82.5	<0.03		2.4		2.4	2.4	
LOWER MANNVILLE C	724.0	0.05		36.2		36.2	3.0	33.2
LOWER MANNVILLE D	110.0	0.10		11.0		11.0	1.5	9.5
CADOMIN A	39.7	<0.04		1.3		1.3	1.3	
CADOMIN B	108.0	0.05		4.4		4.4	4.4	
ROCK CREEK B	378.0	<0.01		0.8		0.8	0.8	
ROCK CREEK C	506.0	<0.01		1.0		1.0		1.0
NISKU A SOLVENT FLOOD	5 300.0	0.40	0.35	2 120.0	1 860.0	3 980.0	3 206.4	773.6
NISKU B SOLVENT FLOOD	2 300.0	0.40	0.24	920.0	550.0	1 470.0	928.4	541.6
NISKU C	30.0	<0.14		4.1		4.1	4.1	
NISKU D SOLVENT FLOOD	2 700.0	0.40	0.25	1 080.0	675.0	1 760.0	1 012.8	747.2
NISKU E SOLVENT FLOOD	2 300.0	0.45	0.20	1 040.0	460.0	1 500.0	1 201.8	298.2
NISKU G	85.0	0.30		25.5		25.5	16.4	9.1
NISKU H	85.0	0.30		25.5		25.5	20.0	5.5
NISKU I	1 060.0	<0.35		369.0		369.0	214.3	154.7
NISKU L	575.0	0.30		173.0		173.0	32.0	141.0
NISKU X	595.0	0.30		179.0		179.0	7.4	171.6
BRUCE 047-14W4								
LOWER MANNVILLE I	372.0	<0.01		0.3		0.3	0.3	
ELLERSLIE PP	315.0	0.10		31.5		31.5	2.8	28.7
WABAMUN L	87.3	0.15		13.1		13.1	0.7	12.4
WABAMUN M	93.0	0.15		14.0		14.0	0.7	13.3
STETTLER A	53.0	0.20		10.6		10.6	0.1	10.5
BUFFALO LAKE 039-21W4								
D-3	1 410.0	0.55		776.0		776.0	734.1	41.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAC	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	1.80	0.170	0.46	0.89	27	869	33	9 650	1 389.3	1978	84 12 - SUSP 83 09
128	10.73	0.135	0.35	0.80	90	810	58	10 394	1 944.8	1985	86 11
64	5.40	0.120	0.40	0.78	90	853	62	10 164	1 984.4	1985	87 04
512	4.03	0.120	0.48	0.81	82	810	61	10 327	1 792.6	1987	88 06
64	2.70	0.130	0.35	0.81	82	810	61	10 177	1 771.2	1985	85 11
64	4.00	0.090	0.45	0.89	62	826	57	8 769	1 661.1	1985	86 09
64	3.50	0.120	0.40	0.79	85	857	53	7 884	1 495.0	1985	86 12 - SUSP 87 12
64	4.00	0.140	0.40	0.81	82	810	61	9 567	1 691.2	1986	87 02
64	6.70	0.100	0.45	0.78	90	853	62	10 644	1 981.3	1986	87 04
64	7.00	0.110	0.45	0.79	85	812	53	8 769	1 658.3	1986	87 08
64	5.00	0.127	0.40	0.75	111	853	66	9 658	1 878.5	1987	87 11
64	9.20	0.120	0.40	0.75	111	850	66	10 292	1 827.2	1987	88 02
64	6.40	0.110	0.45	0.75	111	813	66	10 596	1 728.2	1987	88 02
64	13.50	0.135	0.40	0.75	111	800	66	10 644	2 032.0	1987	88 02
64	5.20	0.160	0.40	0.79	87	826	48	9 194	1 760.3	1987	88 04
64	4.05	0.120	0.45	0.78	86	800	57	10 721	1 734.2	1986	88 04
64	5.00	0.110	0.45	0.78	84	830	60	11 176	1 930.8	1987	88 04
64	2.60	0.110	0.45	0.78	84	784	60	11 123	1 921.6	1987	88 04
64	5.20	0.120	0.45	0.22	86	784	58	10 480	1 875.2	1987	88 04
128	7.27	0.130	0.45	0.84	56	810	61	8 218	1 700.2	1987	88 06
64	7.00	0.130	0.45	0.84	56	810	61	9 156	1 893.1	1985	88 08
64	6.00	0.127	0.45	0.84	56	810	61	7 805	1 761.9	1985	88 08
65	3.05	0.140	0.47	0.77	106	876	54	10 830	2 057.1	1965	88 12 - GPP
64	2.80	0.100	0.45	0.78	93	800	63		1 932.9	1987	88 09
64	11.60	0.140	0.45	0.78	93	800	58	10 365	1 786.9	1987	88 09
64	7.00	0.100	0.55	0.78	93	800	63	12 791	1 932.0	1961	88 11
1 652	5.62	0.117	0.44	0.78	111	828	66	11 866	2 013.0	1986	88 08
195	1.52	0.140	0.20	0.58	164	788	71	16 550	2 371.3	1966	83 12 - GPP
2 148	2.36	0.100	0.15	0.58	293	784	77	26 331	2 446.4	1973	86 10
64	3.00	0.101	0.20	0.58	164	826	60	19 960	2 100.9	1980	88 12 - SUSP 86 04
100	4.50	0.090	0.20	0.58	115	783	73	26 177	2 456.8	1981	85 12 - SUSP 87 06
103	3.00	0.140	0.20	0.58	240	793	76	25 470	2 417.4	1971	85 12
192	2.64	0.090	0.29	0.58	245	796	76	25 895	2 294.1	1973	88 12
64	1.60	0.110	0.20	0.58	210	760	66	25 834	2 364.4	1985	86 03 - GPP
192	2.16	0.120	0.29	0.58	235	808	82	26 646	2 371.4	1986	88 07
64	1.50	0.090	0.23	0.58	235	781	82	27 783	2 427.3	1985	87 05
256	1.85	0.120	0.13	0.67	217	806	76	22 710	2 475.3	1956	88 08 - GPP
256	1.82	0.160	0.20	0.78	114	815	79	25 240	2 464.0	1973	79 10
2 355	1.18	0.170	0.19	0.72	160	833	80	30 409	2 534.0	1973	88 07
65	4.57	0.090	0.30	0.65	184	815	92	39 610	3 120.2	1967	68 05 - GPP
64	1.52	0.170	0.18	0.60	220	804	99	29 950	2 737.7	1975	78 05 - ABAND 84 07
64	9.75	0.210	0.15	0.65	177	812	95	32 960	3 079.1	1974	87 04 - GPP
64	2.70	0.150	0.35	0.65	180	803	93	27 319	2 884.2	1967	84 10
65	0.91	0.120	0.30	0.80	66	788	96	29 650	3 098.9	1972	88 08 - GPP
64	5.00	0.085	0.25	0.53	352	779	124	32 251	3 119.5	1978	88 08 - GPP
64	8.43	0.124	0.32	0.83	65	803	72	30 251	2 776.3	1983	84 09 - SUSP 85 10
64	11.30	0.125	0.20	0.70	110	808	96	23 570	2 926.7	1976	88 12 - SUSP 87 06
108	73.20	0.110	0.10	0.68	178	806	107	46 530	3 107.4	1978	81 01
90	68.80	0.058	0.14	0.74	130	816	102	32 520	3 070.1	1978	87 12
5	28.65	0.040	0.15	0.60	195	820	107	33 233	3 101.0	1978	83 10 - SUSP 84 06
157	45.10	0.065	0.13	0.67	183	815	102	34 490	3 068.8	1978	85 07
142	40.00	0.100	0.12	0.46	354	799	108	46 200	3 200.0	1978	81 07
20	22.30	0.045	0.23	0.55	255	813	100	38 230	3 148.5	1978	84 12 - SUSP 87 03
102	2.45	0.060	0.10	0.63	189	806	105	43 780	3 133.6	1978	87 12
112	47.10	0.050	0.20	0.50	396	802	102	33 660	3 044.2	1979	80 08
106	15.70	0.123	0.17	0.34	672	788	105	40 977	3 197.5	1982	83 11
97	23.10	0.070	0.12	0.43	417	795	106	34 530	3 296.5	1986	88 04
64	3.40	0.230	0.20	0.93	27	910	34	6 181	865.8	1978	83 12 - SUSP 82 02
64	2.70	0.250	0.20	0.91	35	887	35	6 030	984.6	1985	86 05
64	1.60	0.170	0.41	0.85	60	875	40	6 861	1 058.6	1987	87 05
64	4.20	0.080	0.53	0.92	21	868	40		1 071.5	1987	88 08
64	2.80	0.060	0.42	0.85	60	868	40	7 246	1 082.3	1986	87 03 - SUSP 87 10
65	28.65	0.101	0.09	0.83	74	892	59	15 170	1 685.2	1961	69 03 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
BUFFALO LAKE 039-21W4 (CONTINUED)								
D-3 B	782.0	0.60		470.0		470.0	321.5	148.5
BYEMOOR 034-19W4								
VIKING A	144.0	0.08		11.5		11.5	5.7	5.8
CACHE 057-11W4								
VIKING D	73.5	<0.01		0.2		0.2	0.2	
CALAIS 070-24W5								
D-3 A	1 050.0	0.50		525.0		525.0	86.6	438.4
CAMPBELL-NAMAO 054-25W4								
CAMPBELL BLAIRMORE A	2 860.0	0.09		257.0		257.0	241.3	15.7
NAMAO BLAIRMORE C	216.0	0.18		38.9		38.9	35.5	3.4
NAMAO BLAIRMORE D	176.0	0.15		26.4		26.4	22.3	4.1
NAMAO BLAIRMORE E	2 940.0	0.06		176.0		176.0	169.5	6.5
NAMAO BLAIRMORE F	3 960.0	0.10		396.0		396.0	213.7	182.3
BLAIRMORE G	262.0	<0.01		1.3		1.3	1.3	
BLAIRMORE J	1 110.0	0.09		100.0		100.0	53.0	47.0
BLAIRMORE M	109.0	<0.01		0.1		0.1		0.1
BLAIRMORE N	190.0	0.10		19.0		19.0	2.2	16.8
BLAIRMORE O	588.0	0.03		17.6		17.6	7.0	10.6
BLAIRMORE P	84.1	<0.01		0.3		0.3	0.3	
BLAIRMORE Q	330.0	0.10		33.0		33.0	0.6	32.4
WABAMUN A	108.0	0.10		10.8		10.8	1.0	9.8
CARBON 029-22W4								
PEKISKO B	133.0	0.06		8.0		8.0	6.0	2.0
PEKISKO E	133.0	<0.10		12.5		12.5	11.7	0.8
CARDIFF 055-02W5								
ELLERSLIE B	122.0	0.10		12.2		12.2	0.9	11.3
WABAMUN A	1 130.0	0.10		113.0		113.0	22.2	90.8
CARIBOU 062-10W5								
BEAVERHILL LAKE A	76.3	0.10		7.6		7.6	0.7	6.9
CAROLINE 035-06W5								
FIRST WHITE SPECKS A	85.2	<0.03		2.1		2.1	2.1	
CARDIUM A	191.0	<0.02		2.7		2.7	2.7	
CARDIUM B	58.0	<0.09		5.2		5.2	5.2	
CARDIUM C	191.0	<0.05		9.5		9.5	7.6	1.9
CARDIUM D	96.5	<0.04		3.1		3.1	3.1	
CARDIUM E TOTAL	8 961.0			807.0	1 412.0	2 219.0	1 410.4	808.6
PRIMARY AREA	122.0	0.10		12.2		12.2		
SOLVENT FLOOD AREA	4 400.0	0.09	0.21	396.0	924.0	1 320.0		
WATER FLOOD AREA	4 439.0	0.09	0.11	399.9	487.9	887.9		
CARDIUM F	530.0	0.15		71.6		71.6	43.2	28.4
CARDIUM G	101.0	<0.02		1.7		1.7	1.7	
CARDIUM H	65.9	<0.04		2.5		2.5	2.5	
CARDIUM I	94.2	0.15		14.1		14.1	6.9	7.2
SECOND WHITE SPECKS A	164.0	<0.01		0.9		0.9	0.9	
VIKING A	9 800.0	0.12		1 180.0		1 180.0	922.3	257.7
VIKING F	157.0	0.10		15.7		15.7	10.4	5.3
VIKING G	219.0	<0.13		27.1		27.1	2.1	25.0
VIKING H	82.2	<0.06		4.8		4.8	4.8	
VIKING I	140.0	<0.02		1.7		1.7	1.7	
VIKING J	157.0	<0.02		2.0		2.0	2.0	
VIKING L	73.9	0.15		11.1		11.1	8.6	2.5
VIKING M	164.0	0.01		1.6		1.6	0.6	1.0
VIKING N	37.3	<0.01		0.3		0.3	0.3	
VIKING O	122.0	0.10		12.2		12.2	2.0	10.2
VIKING P	89.1	0.10		8.9		8.9	0.4	8.5
VIKING R	28.3	0.10		2.8		2.8	0.9	1.9
VIKING S	500.0	0.20		100.0		100.0	40.9	59.1
UPPER MANNVILLE A	187.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE W	211.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE TTT MU #3	195.0	0.20		39.0		39.0	26.9	12.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
43	26.80	0.100	0.15	0.81	83	887	57	14 070	1 676.7	1967	84 04
64	2.00	0.200	0.34	0.85	62	828	42	8 079	1 166.0	1977	88 12
64	1.20	0.230	0.48	0.80	20	888	28	4 139	475.1	1983	88 12 - SUSP 85 05
64	46.27	0.062	0.12	0.65	190	824	91	25 616	2 823.0	1986	87 10
809	3.08	0.174	0.25	0.88	41	870	47	8 450	1 132.0	1949	85 12 - GPP
47	3.96	0.180	0.29	0.91	41	870	47	8 340	1 136.0	1953	85 12 - GPP
32	3.66	0.210	0.22	0.91	41	870	48	8 410	1 142.1	1959	81 12 - GPP
503	4.18	0.213	0.20	0.82	41	870	46	8 270	1 115.9	1951	67 05 - GPP - MRL
534	4.63	0.220	0.20	0.91	41	870	46	7 830	1 115.9	1966	76 12 - GPP
64	3.08	0.200	0.27	0.91	35	898	34	6 890	1 123.5	1951	83 12 - SUSP 83 11
313	2.57	0.220	0.30	0.90	43	892	35	7 920	1 142.4	1977	80 12 - GPP
64	1.80	0.150	0.30	0.90	38	850	37	5 194	1 143.3	1983	84 09 - ABAND 84 07
64	4.50	0.150	0.50	0.88	45	864	41	8 248	1 102.8	1984	85 04 - GPP
64	6.40	0.250	0.30	0.82	71	844	51		1 114.9	1976	88 01
64	1.60	0.210	0.57	0.91	39	879	30	7 349	1 072.5	1985	88 12 - SUSP 86 03
64	3.80	0.230	0.33	0.88	45	870	46	8 247	1 084.9	1987	87 07
64	1.70	0.180	0.35	0.85	48	854	38	7 389	1 167.9	1981	86 12
64	5.50	0.065	0.30	0.83	69	865	53	11 610	1 574.9	1973	86 12 - GPP
64	5.50	0.065	0.30	0.83	69	865	53	11 631	1 592.8	1978	85 03 - GPP
64	2.00	0.270	0.12	0.40	110	788	51	9 900	1 279.0	1985	85 07
256	7.96	0.110	0.44	0.90	50	930	43	10 532	1 401.4	1983	86 04 - GPP
64	3.20	0.070	0.25	0.71	110	839	85	24 122	2 492.8	1985	86 01
65	2.44	0.120	0.40	0.75	105	881	66	22 170	2 046.1	1975	76 09 - SUSP 76 01
16	12.80	0.151	0.20	0.76	142	797	73	26 030	2 255.5	1961	69 05 - ABAND 67 10
64	3.82	0.039	0.20	0.76	142	801	66	27 240	2 362.8	1965	83 12 - SUSP 82 03
129	1.95	0.158	0.20	0.60	257	784	73	27 550	2 402.7	1973	74 05
64	2.07	0.140	0.20	0.65	186	811	66	27 510	2 378.4	1975	88 12 - SUSP 86 11
9 482					352	797	73	28 880	2 535.3	1974	88 12
128	2.35	0.090	0.15	0.53							
5 107	1.86	0.103	0.15	0.53							
4 247	2.25	0.103	0.15	0.53							
467	3.06	0.080	0.20	0.58	246	801	77	28 030	2 451.9	1976	88 12
64	3.05	0.110	0.15	0.55	312	801	69	22 090	2 429.4	1975	78 02 - SUSP 83 06
65	1.83	0.120	0.20	0.58	246	801	74	21 930	2 412.2	1975	88 12 - SUSP 86 11
64	2.10	0.110	0.15	0.75	140	836	70	22 271	2 521.8	1985	87 04
64	5.00	0.100	0.30	0.73	120	820	65	20 380	2 621.5	1979	81 12 - ABAND 83 07
7 744	3.10	0.080	0.30	0.73	89	825	89	17 000	2 663.0	1962	80 08 - GPP
98	3.05	0.100	0.30	0.75	89	825	89	16 980	2 471.0	1968	83 06 - GPP
192	3.23	0.076	0.38	0.75	139	793	77	17 580	2 716.6	1977	82 04 - GPP
64	4.74	0.070	0.47	0.73	110	724	85	21 781	2 786.9	1979	80 06 - ABAND 83 01
64	7.02	0.074	0.37	0.67	200	788	60	17 323	2 714.5	1978	83 12 - ABAND 80 11
64	6.50	0.070	0.25	0.72	125	849	60	17 020	2 677.5	1980	83 09 - SUSP 86 04
64	3.70	0.080	0.35	0.60	213	844	85	16 880	2 457.3	1955	82 12 - SUSP 86 04
64	6.10	0.100	0.30	0.60	210	844	66	20 041	2 417.0	1962	83 12 - GPP
64	1.90	0.069	0.26	0.60	200	839	85	16 880	2 457.2	1985	88 12 - SUSP 86 05
64	7.50	0.065	0.35	0.60	195	803	89	19 247	2 574.7	1982	82 11
64	3.00	0.090	0.23	0.67	181	808	78	17 640	2 583.0	1986	87 04 - SUSP 87 04
64	2.48	0.034	0.30	0.75	120	816	87	20 935	2 723.0	1987	87 01
673	2.54	0.060	0.35	0.75	120	816	87	27 365	2 787.3	1980	88 12
64	4.00	0.130	0.12	0.64	181	863	81	27 724	2 718.9	1981	86 12 - SUSP 85 08
64	5.00	0.110	0.22	0.77	78	811	110	14 500	2 839.5	1980	88 12 - SUSP 86 02
96	2.70	0.130	0.25	0.77	483	811	92	30 697	2 698.0	1959	88 12 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
CAROLINE 035-06W5 (CONTINUED)								
BASAL MANNVILLE A2A	161.0	0.05		8.1		8.1	0.9	7.2
BASAL MANNVILLE C2C, D2D,E2E & F2F	141.0	0.10		14.1		14.1	1.1	13.0
BASAL MANNVILLE G2G, H2H & I2I	118.0	0.10		11.8		11.8	1.9	9.9
ELLERSLIE A	153.0	0.15		23.0		23.0	11.8	11.2
ELLERSLIE B	207.0	0.15		31.1		31.1	14.4	16.7
RUNDLE A TOTAL	9 900.0			1 800.0	661.0	2 460.0	2 046.0	414.0
PRIMARY AREA	5 180.0	0.20		1 040.0		1 040.0		
WATER FLOOD AREA	4 720.0	0.16	0.14	755.0	661.0	1 420.0		
ELKTON M	461.0	0.15		69.2		69.2	22.0	47.2
CARROT CREEK 052-13W5								
CARDIUM A TOTAL	868.0			104.4	105.0	209.0	111.2	97.8
PRIMARY AREA	64.0	0.12		7.6		7.6		
WATER FLOOD AREA	804.0	0.12	0.13	97.0	104.0	201.0		
CARDIUM B	509.0	0.05		25.5	ERSO	25.5	23.7	1.8
CARDIUM C	636.0	0.05		31.8		31.8	22.7	9.1
CARDIUM D TOTAL	3 000.0	0.10		301.0	223.0	524.0	147.7	376.3
PRIMARY AREA	1 885.0	0.10		89.0		189.0		
WATER FLOOD AREA	1 115.0	0.10	0.20	112.0	223.0	335.0		
CARDIUM E TOTAL	442.0			66.4	43.3	110.0	42.3	67.7
PRIMARY AREA	9.1	0.15		1.4		1.4		
WATER FLOOD AREA	433.0	0.15	0.10	65.0	43.3	108.0		
CARDIUM F TOTAL	5 463.0			808.0	1 097.0	1 905.0	565.4	1 339.6
WATER FLOOD PRIMARY AREA	32.9	0.15		4.9		4.9		
WATER FLOOD AREA	5 430.0	0.15	0.20	803.0	1 097.0	1 900.0		
CARDIUM H	151.0	0.10		15.1		15.1	1.2	13.9
CARDIUM I	173.0	0.10		17.3		17.3	14.7	2.6
CARDIUM K TOTAL	2 500.0			300.0	460.0	760.0	141.1	618.9
PRIMARY AREA	200.0	0.12		24.0		24.0		
WATER FLOOD AREA	2 300.0	0.12	0.20	276.0	460.0	736.0		
CARDIUM N	84.4	<0.02		1.4		1.4	1.4	
CARDIUM S	435.0	0.10		43.5		43.5	13.4	30.1
CARDIUM V	162.0	<0.01		0.1		0.1		0.1
CARDIUM AA	85.6	0.10		8.6		8.6	3.7	4.9
CARDIUM DD	113.0	0.10		11.3		11.3	6.5	4.8
CARDIUM EE	669.0	0.15		100.0		100.0	20.0	80.0
CARDIUM FF	186.0	0.10		18.6		18.6	1.6	17.0
CARDIUM GG	656.0	0.15		98.4		98.4	25.2	73.2
CARDIUM HH	276.0	0.15		41.4		41.4	7.7	33.7
CARDIUM JJ	598.0	0.15		89.7		89.7	6.6	83.1
CARDIUM KK	256.0	0.10		25.6		25.6	6.7	18.9
CARDIUM LL	203.0	0.10		20.3		20.3	5.3	15.0
CARDIUM MM	213.0	0.10		21.3		21.3	4.4	16.9
CARDIUM NN	286.0	0.10		28.6		28.6	1.9	26.7
CARDIUM OO	42.4	<0.03		1.0		1.0	1.0	
CARDIUM PP	294.0	0.15		44.1		44.1	3.5	40.6
LOWER MANNVILLE A	301.0	0.01		3.0		3.0	2.2	0.8
LOWER MANNVILLE B	221.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE C	213.0	0.05		10.7		10.7	3.4	7.3
LOWER MANNVILLE N	73.7	0.10		7.4		7.4	1.3	6.1
LOWER MANNVILLE T	174.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE V	154.0	0.10		15.4		15.4	4.1	11.3
LOWER MANNVILLE W	234.0	0.10		23.4		23.4	0.7	22.7
LOWER MANNVILLE M JURASSIC O&P	4 600.0	0.08		368.0		368.0	157.2	210.8
JURASSIC A	213.0	<0.01		0.2		0.2	0.2	
JURASSIC X & AA	254.0	0.10		25.4		25.4	2.5	22.9
CARSON CREEK NORTH 062-12W5								
BEAVERHILL LAKE A & B TOTAL	60 120.0			9 017.0	18 500.0	27 520.0	22 313.4	5 206.6
PRIMARY AREA	123.8	<0.14		16.8		16.8		
WATER FLOOD AREA	60 000.0	0.15	0.30	9 000.0	18 500.0	27 500.0		
CARSTAIRS 030-02W5								
CARDIUM A	240.0	0.03		7.2		7.2	2.5	4.7
CARDIUM B	23.3	<0.01		0.2		0.2	0.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.90	0.130	0.20	0.62	191	806	88	27 489	2 724.7	1982	87 12 - GPP
64	4.60	0.090	0.24	0.70	191	807	88	29 133	2 542.7	1986	87 01
64	2.70	0.120	0.19	0.70	191	807	88	30 400	2 555.0	1986	87 01 - GPP
64	5.82	0.073	0.25	0.75	105	830	88	28 698	2 800.6	1981	84 12
64	4.90	0.100	0.12	0.75	125	832	92	28 850	2 916.6	1981	84 12
3 700					152	844	89	23 580	2 698.7	1955	86 12 - GPP
2 241	5.71	0.074	0.24	0.72							
1 459	7.99	0.074	0.24	0.72							
64	10.30	0.120	0.19	0.72	150	847	31	23 526	2 724.9	1985	86 11
403					53	834	57	10 310	1 661.2	1963	88 12 - GPP
32	3.20	0.100	0.27	0.85							
371	4.80	0.072	0.27	0.85							
404	2.99	0.065	0.20	0.81	62	829	61	10 480	1 661.2	1966	82 12 - GPP
259	3.96	0.080	0.10	0.86	57	849	70	9 980	1 614.2	1973	75 12 - GPP
960					65	844	52	10 450	1 596.4	1973	88 11
700	3.44	0.071	0.15	0.84							
260	7.30	0.082	0.15	0.84							
196					78	835	57	10 539	1 636.1	1980	88 07
63	0.56	0.036	0.13	0.83							
133	7.54	0.060	0.13	0.83							
1 870					65	854	56	10 247	1 613.6	1973	88 07
64	0.80	0.090	0.14	0.83							
1 806	4.66	0.090	0.14	0.83							
128	5.20	0.040	0.27	0.77	63	840	57	8 997	1 603.1	1988	88 11 - GPP
64	4.99	0.071	0.10	0.86				7 236	1 510.0	1967	84 12
837					50	838	68	10 889	1 769.2	1983	88 06
128	3.03	0.072	0.15	0.84							
709	6.31	0.072	0.15	0.84							
64	2.65	0.065	0.11	0.86	78	835	57	8 710	1 641.6	1981	83 11 - SUSP 85 07
192	3.74	0.080	0.11	0.85	65	836	56	12 335	1 520.4	1984	85 11
64	3.00	0.110	0.10	0.85	50	838	68	9 020	1 628.4	1984	88 12 - SUSP 84 10
128	1.69	0.066	0.25	0.80	48	842	68	9 051	1 564.2	1984	85 08 - GPP
20	11.40	0.083	0.30	0.85	50	852	68	10 515	1 586.6	1985	88 08
128	9.32	0.070	0.10	0.89	51	845	56	9 099	1 597.9	1985	86 07
64	2.70	0.170	0.21	0.80	104	826	63	9 063	1 565.5	1983	85 10
320	4.53	0.074	0.28	0.85	54	837	57	10 486	1 578.7	1983	88 07
64	9.65	0.075	0.30	0.85	61	819	60	10 469	1 563.3	1985	88 03
128	10.47	0.070	0.25	0.85	61	819	60	10 545	1 579.2	1986	87 02
192	3.19	0.063	0.22	0.85	61	819	60	9 831	1 548.6	1986	88 03
64	4.80	0.095	0.18	0.85	60	839	34		1 554.6	1987	87 12
64	5.70	0.081	0.15	0.85	75	849	56	11 732	1 401.5	1985	86 10
64	9.23	0.076	0.25	0.85	55	834	59	8 955	1 543.2	1987	88 01
64	1.00	0.120	0.35	0.85	61	819	60	9 815	1 578.2	1985	88 12 - ABAND 88 10
64	7.50	0.090	0.20	0.85	61	819	60		1 591.5	1987	88 12
64	6.40	0.150	0.30	0.70	135	835	62	15 560	2 182.5	1978	82 12 - GPP
64	6.40	0.140	0.45	0.70	125	842	82	17 910	2 175.2	1979	85 09 - SUSP 84 05
64	6.04	0.120	0.35	0.70	168	814	63	16 517	2 223.0	1979	83 12 - GPP
64	2.30	0.130	0.45	0.70	130	884	86	17 794	2 180.9	1980	82 03 - GPP
64	5.00	0.120	0.38	0.73	110	846	59	15 978	2 129.3	1981	88 12 - SUSP 85 10
64	5.20	0.096	0.35	0.74	105	826	78	17 114	2 100.0	1986	87 03
64	7.30	0.110	0.35	0.70	125	844	84	16 208	2 166.6	1987	87 12
1 054	8.61	0.110	0.26	0.72	53	834	57	16 999	2 127.4	1976	84 04
64	7.00	0.100	0.35	0.73	125	850	60	17 000	2 187.5	1979	83 12 - ABAND 80 02
64	7.50	0.130	0.45	0.74	115	864	60	16 853	2 192.8	1979	85 03 - GPP
7 228					274	806	88	25 880	2 662.7	1958	88 06
128	3.84	0.050	0.16	0.60							
7 100	21.93	0.080	0.14	0.56							
64	6.00	0.130	0.35	0.74	119	836	66	22 297	1 981.0	1983	86 12
64	1.00	0.070	0.35	0.80	82	854	59	16 512	1 956.5	1983	84 10 - SUSP 84 08

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CARSTAIRS 030-02W5 (CONTINUED)								
BLACKSTONE A	129.0	<0.01		0.1		0.1	0.1	
VIKING B	709.0	0.10		70.9		70.9	14.3	56.6
VIKING C	131.0	0.10		13.1		13.1	4.2	8.9
CAVALIER 024-23W4								
GLAUCONITIC A	449.0	0.10		44.9		44.9	15.7	29.2
CECIL 084-08W6								
CHARLIE LAKE A	7 889.0	0.20		1 578.0		1 578.0	157.1	1 420.9
CHARLIE LAKE B	359.0	0.15		53.9		53.9	0.3	53.6
CHARLIE LAKE C	152.0	0.10		15.2		15.2	0.2	15.0
CHARLIE LAKE D	61.5	0.10		6.2		6.2		6.2
CESSFORD 025-13W4								
VIKING Y	145.0	<0.01		0.1		0.1		0.1
GLAUCONITIC T & MANNVILLE HH	191.0	0.03		5.7		5.7	2.8	2.9
BANFF B	6 800.0	0.10		680.0		680.0	235.4	444.6
BANFF E	125.0	0.10		12.5		12.5	1.5	11.0
BANFF F	147.0	<0.01		0.1		0.1		0.1
CHAIN 033-17W4								
VIKING A	49.5	<0.01		0.1		0.1		0.1
VIKING D	516.0	0.12		61.9		61.9	43.6	18.3
VIKING E	61.9	<0.03		1.5		1.5	1.5	
VIKING F	138.0	0.10		13.8		13.8	3.4	10.4
BANFF A	3 100.0	0.15		465.0		465.0	111.5	353.5
BANFF B	108.0	0.10		10.8		10.8	4.3	6.5
BANFF D	97.8	0.20		19.6		19.6	7.2	12.4
BANFF E	27.6	0.10		2.8		2.8	0.2	2.6
BANFF F	181.0	0.15		27.2		27.2	1.6	25.6
BANFF G	124.0	0.15		18.6		18.6	4.9	13.7
CHAMBERLAIN 052-23W4								
BLAIRMORE	509.0	<0.05		25.0		25.0	25.0	
CHEDDERVILLE 037-07W5								
CARDIUM A	75.2	0.10		7.5		7.5	0.5	7.0
VIKING A	92.9	0.10		9.3		9.3	1.2	8.1
CHERHILL 056-05W5								
VIKING C	101.0	0.15		15.2		15.2	13.2	2.0
VIKING D	124.0	<0.01		1.1		1.1	1.1	
DETRITAL A	58.1	0.10		5.8		5.8	1.1	4.7
NORDEGG A	439.0	0.10		43.9		43.9	13.2	30.7
JURASSIC B	351.0	<0.01		0.6		0.6	0.6	
BANFF A TOTAL	9 790.0			1 789.0	1 215.0	3 004.0	1 521.6	1 482.4
PRIMARY AREA	1 690.0	0.10		169.0		169.0		
WATER FLOOD AREA	8 100.0	0.20	0.15	1 620.0	1 215.0	2 835.0		
BANFF G	1 020.0	0.03		30.6		30.6	14.3	16.3
BANFF H	2 843.0	0.10		284.0		284.0	48.0	236.0
BANFF J	109.0	<0.05		5.2		5.2	5.2	
BANFF M	1 080.0	0.20		216.0		216.0	106.6	109.4
BANFF P	327.0	<0.01		0.1		0.1	0.1	
CHICKADEE 061-16W5								
GETHING D	88.1	<0.01		0.2		0.2	0.2	
CHICKEN 061-07W6								
CHINOOK A	157.0	0.10		15.7		15.7	1.2	14.5
CHIGWELL 041-24W4								
VIKING B TOTAL	2 370.0			284.0	127.0	411.0	256.8	154.2
PRIMARY AREA	1 310.0	0.12		157.0		157.0		
WATER FLOOD AREA	1 060.0	0.12	0.12	127.0	127.0	254.0		
VIKING D	89.5	0.10		9.0		9.0	4.2	4.8
VIKING E	8 150.0	0.10		815.0		815.0	204.8	610.2
VIKING F	226.0	<0.01		0.3		0.3	0.3	
VIKING H	113.0	0.10		11.3		11.3	0.6	10.7
MANNVILLE G	134.0	<0.01		0.2		0.2	0.2	
MANNVILLE H	289.0	0.10		28.9		28.9	12.8	16.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.50	0.080	0.30	0.80	85	844	61	20 904	2 037.0	1983	85 03 - SUSP 85 06
128	9.63	0.110	0.37	0.83	68	835	71	13 708	2 206.8	1958	86 03
64	3.00	0.150	0.45	0.83	68	835	71	12 017	2 175.0	1980	84 04 - GPP
128	2.82	0.190	0.21	0.83	70	871	49	11 806	1 586.3	1979	83 06 - GPP
1 858	4.38	0.153	0.28	0.88	44	907	46	10 038	1 094.0	1987	88 07
64	6.39	0.170	0.37	0.82	54	898	42	9 286	864.8	1987	87 12
32	7.60	0.134	0.47	0.88	45	912	46	10 185	1 152.4	1987	88 08
32	4.00	0.107	0.49	0.88	45	912	46	10 369	1 154.3	1982	88 08
64	2.80	0.150	0.40	0.90	40	850	30	7 260	860.9	1985	86 06 - SUSP 86 01
64	5.00	0.140	0.48	0.82	70	863	47	9 062	1 274.8	1972	85 12
2 501	3.92	0.145	0.45	0.87	46	877	40	9 988	1 282.1	1973	82 07
64	2.20	0.160	0.37	0.88	55	857	50	8 159	1 232.8	1985	86 05 - GPP
64	8.50	0.050	0.38	0.87	50	859	40	8 923	1 317.5	1987	88 07 - ABAND 87 07
64	1.00	0.150	0.40	0.86	50	838	42	6 594	1 067.3	1974	85 10 - ABAND 86 05
632	0.90	0.170	0.38	0.86	62	834	34	8 210	1 125.6	1977	86 10
64	2.50	0.090	0.50	0.86	53	838	39	8 123	1 142.3	1983	84 08 - SUSP 83 10
64	1.60	0.230	0.32	0.86	55	832	36	8 205	1 159.8	1985	86 03
768	9.60	0.070	0.23	0.78	112	865	40	13 928	1 259.5	1984	87 02
64	2.50	0.140	0.40	0.80	50	860	38	9 393	1 236.8	1985	86 03 - GPP
64	4.00	0.070	0.30	0.78	112	856	43	8 350	1 297.3	1985	87 12
64	2.50	0.050	0.54	0.75	113	860	40	8 917	1 240.8	1985	86 08 - SUSP 87 01
64	10.30	0.050	0.27	0.75	113	868	40	9 195	1 249.1	1977	86 11
64	7.20	0.060	0.40	0.75	88	860	40	9 468	1 309.0	1987	88 12
45	7.53	0.252	0.32	0.88	41	892	46	8 210	1 126.5	1952	64 04 - ABAND 70 09
64	1.70	0.120	0.20	0.72	115	815	70	22 390	2 253.2	1985	86 03
64	3.40	0.090	0.35	0.73	115	815	63		2 607.4	1987	88 05
64	1.24	0.190	0.20	0.84	62	844	56	8 140	1 140.6	1974	83 12
64	1.86	0.160	0.25	0.87	55	849	38	7 515	1 157.3	1977	83 12 - SUSP 82 03
64	1.00	0.170	0.40	0.89	74	867	45	11 140	1 304.8	1983	86 10
128	3.80	0.170	0.39	0.87	56	900	38	10 894	1 343.0	1973	82 07
64	6.19	0.180	0.40	0.82	62	901	50	10 855	1 357.0	1979	83 12 - SUSP 82 07
1 066					103	865	44	11 310	1 322.6	1966	88 01
261	8.11	0.150	0.30	0.76							
805	12.61	0.150	0.30	0.76							
64	14.10	0.200	0.35	0.87	53	907	46	11 055	1 369.7	1980	83 12 - GPP
320	7.87	0.200	0.32	0.83	68	825	41	11 019	1 370.6	1979	87 07
32	4.57	0.140	0.30	0.76				10 035	1 345.9	1968	82 09 - SUSP 84 07
256	7.30	0.110	0.35	0.81	82	863	41	11 296	1 326.2	1982	88 01
64	3.70	0.240	0.33	0.86	48	892	64	10 904	1 351.2	1984	88 12 - SUSP 86 01
64	2.73	0.120	0.40	0.70	156	824	82	13 613	1 830.4	1980	88 12 - SUSP 86 05
64	5.95	0.120	0.51	0.70	120	710	54	11 424	1 938.4	1987	88 03
1 379					50	844	46	7 830	1 425.9	1959	85 09
800	2.34	0.130	0.40	0.90							
579	2.60	0.130	0.40	0.90							
64	3.20	0.120	0.60	0.91	34	830	58	7 975	1 464.6	1982	83 07 - SUSP 87 02
3 376	3.24	0.130	0.37	0.91	34	858	58	8 000	1 403.3	1980	85 10
64	5.70	0.120	0.40	0.86	48	817	57	5 482	1 420.9	1983	85 08 - SUSP 84 07
64	3.11	0.101	0.38	0.91	33	836	58	8 025	1 413.7	1986	87 02
65	1.83	0.150	0.15	0.89	39	910	51	12 410	1 648.7	1977	77 06 - ABAND 78 05
64	4.00	0.170	0.20	0.83	59	915	63	12 392	1 595.1	1978	78 10

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CHIGWELL 041-24W4 (CONTINUED)								
MANNVILLE I	169.0	0.02		3.4		3.4	2.9	0.5
MANNVILLE K	45.9	0.05		2.3		2.3	1.1	1.2
MANNVILLE E & UPPER MANNVILLE A	8 290.0	0.07		580.0		580.0	317.7	262.3
UPPER MANNVILLE B	275.0	0.03		8.3		8.3	4.2	4.1
UPPER MANNVILLE C	261.0	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	114.0	<0.01		0.5		0.5	0.5	
D-2 A	473.0	0.20		94.6		94.6	61.7	32.9
D-2 B	116.0	0.10		11.6		11.6	7.8	3.8
D-2 C	499.0	0.12		59.9		59.9	53.2	6.7
D-2 D	98.5	<0.03		2.0		2.0	2.0	
D-3 A	108.0	<0.05		4.8		4.8	4.8	
D-3 B	766.0	0.35		268.0		268.0	159.5	108.5
D-3 C	254.0	<0.01		0.4		0.4	0.4	
D-3 E	540.0	0.45		243.0		243.0	56.4	186.6
D-3 F	74.2	<0.01		0.1		0.1		0.1
CHIGWELL NORTH 042-24W4								
D-3 A	110.0	<0.01		0.5		0.5	0.5	
CHIP LAKE 053-10W5								
ROCK CREEK A	444.0	0.10		44.4		44.4	7.9	36.5
CINDY 077-01W6								
DEBOLT A	566.0	0.10		56.6		56.6	2.0	54.6
D-1 A	480.0	0.20		96.0		96.0	3.4	92.6
D-1 B	853.0	0.20		171.0		171.0	7.7	163.3
CLARESHOLM 013-26W4								
BARONS A	300.0	0.20		60.0		60.0	31.8	28.2
GLAUCONITIC C	58.7	0.10		5.9		5.9	2.5	3.4
RUNDLE A	1 920.0	0.04		76.8		76.8	50.3	26.5
RUNDLE B	1 340.0	0.03		40.2		40.2	31.6	8.6
RUNDLE C	56.1	<0.08		4.2		4.2	4.2	
RUNDLE F	186.0	<0.03		3.8		3.8	3.8	
CLIVE 040-24W4								
GLAUCONITIC A	195.0	<0.01		0.1		0.1		0.1
GLAUCONITIC B	64.0	<0.01		0.1		0.1	0.1	
GLAUCONITIC C	242.0	0.05		12.1		12.1	4.6	7.5
D-2 A TOTAL	7 742.0			2 638.0	895.0	3 533.0	2 493.6	1 039.4
PRIMARY AREA	282.0	0.10		28.2		28.2		
WATER FLOOD AREA	7 460.0	0.35	0.12	2 610.0	895.0	3 505.0		
D-2 B TOTAL	683.0			126.0	50.0	176.0	169.3	6.7
PRIMARY AREA	183.0	<0.01		1.0		1.0		
WATER FLOOD AREA	500.0	0.25	0.10	125.0	50.0	175.0		
D-2 C	34.8	<0.07		2.2		2.2	2.2	
D-3 A TOTAL	13 400.0			5 020.0	1 970.0	6 990.0	5 465.8	1 524.2
PRIMARY AREA	1 060.0	0.08		84.8		84.8		
WATER FLOOD AREA	12 300.0	<0.50	0.16	4 940.0	1 970.0	6 910.0		
CLOVER 061-17W5								
GETHING A	60.5	0.01		0.1		0.1		0.1
CORNWALL 070-26W5								
GILWOOD A	204.0	0.20		40.8		40.8	2.5	38.3
COSWAY 030-26W4								
RUNDLE A	91.3	<0.01		0.3		0.3	0.3	
COUTTS 001-16W4								
MOULTON A TOTAL	1 545.0			315.0	294.0	609.0	500.2	108.8
PRIMARY AREA	75.0	0.28		21.0		21.0		
WATER FLOOD AREA	1 470.0	0.20	0.20	294.0	294.0	588.0		
MOULTON B	89.0	<0.01		0.7		0.7	0.7	
MOULTON C	1 560.0	0.03		46.8		46.8	37.1	9.7
COYOTE 029-15W4								
GLAUCONITIC G	94.1	<0.01		0.1		0.1	0.1	
BANFF A	70.3	<0.01		0.3		0.3	0.3	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.20	0.170	0.15	0.83	58	850	63	3 310	1 627.3	1978	82 12 - GPP
64	1.20	0.180	0.60	0.83	59	874	63	11 442	1 572.8	1985	86 06
5 376	1.51	0.150	0.18	0.83	33	921	48	13 450	1 581.6	1976	83 02 - GPP
65	3.35	0.180	0.15	0.83	59	915	63	13 410	1 602.3	1977	80 12 - GPP
64	4.00	0.150	0.20	0.85	80	700	60	7 660	1 443.0	1979	80 06 - ABAND 81 01
64	2.00	0.150	0.30	0.85	54	899	62	14 877	1 539.5	1980	83 12 - SUSP 81 12
117	10.63	0.065	0.22	0.75	106	829	70	15 860	1 848.0	1955	84 01 - GPP
65	2.59	0.140	0.42	0.85	106	829	71	16 890	1 882.4	1959	73 02 - GPP
404	4.57	0.045	0.25	0.80	83	829	72	16 930	1 871.8	1968	83 12 - GPP
65	3.96	0.060	0.20	0.80	83	829	57	14 070	1 872.7	1974	75 08 - SUSP 77 07
128	3.02	0.050	0.19	0.69	147	820	60	17 380	1 943.7	1964	83 09 - ABAND 83 09
128	12.16	0.080	0.18	0.75	105	855	63	16 840	1 938.5	1968	84 12 - GPP
64	5.50	0.110	0.10	0.73	110	844	65	19 125	2 131.3	1981	82 03 - SUSP 81 12
100	14.37	0.062	0.17	0.73	129	834	71	14 270	1 907.8	1984	86 06
64	2.30	0.070	0.10	0.80	81	874	56	15 923	1 850.2	1986	87 04 - ABAND 87 08
64	4.50	0.070	0.25	0.73	120	844	59	13 653	1 843.3	1980	82 03 - SUSP 84 07
64	10.50	0.125	0.34	0.80	85	838	58	18 475	1 810.0	1981	82 04
64	7.50	0.220	0.20	0.67	163	832	64	15 824	1 549.5	1987	88 07
64	21.80	0.050	0.14	0.80	72	842	70	22 049	2 118.9	1985	85 05
64	59.50	0.040	0.30	0.80	68	838	69	22 632	2 136.8	1984	84 12
114	3.80	0.130	0.22	0.68	150	810	51	13 657	2 109.7	1980	84 04
64	1.30	0.120	0.30	0.84	65	857	50	8 486	1 780.7	1980	82 12
129	28.96	0.086	0.16	0.71	131	844	55	19 700	2 065.9	1972	78 12 - GPP
194	14.11	0.081	0.15	0.71	131	844	54	19 650	2 065.6	1972	78 12
65	3.05	0.060	0.35	0.73	128	849	60	20 540	2 068.1	1968	73 01 - SUSP 85 09
64	13.00	0.035	0.15	0.75	135	863	67	24 479	2 180.0	1980	81 10 - ABAND 82 05
64	4.00	0.130	0.35	0.90	35	881	62	7 240	1 585.1	1978	79 01 - ABAND 79 09
64	1.40	0.120	0.30	0.85	58	881	62	11 370	1 578.7	1978	83 12 - SUSP 79 03
64	3.60	0.160	0.27	0.90	35	881	45	10 189	1 520.0	1982	87 05 - GPP
3 395					148	820	69	17 000	1 868.4	1951	88 08
115	9.00	0.490	0.20	0.69							
3 280	8.24	0.050	0.20	0.69							
322					148	820	68	16 410	1 841.4	1966	87 03 - SUSP 87 04
64	5.89	0.080	0.12	0.69							
258	6.12	0.052	0.12	0.69							
65	1.22	0.080	0.20	0.69	142	820	67	17 070	1 886.4	1965	70 05 - ABAND 67 01
4 546					155	825	66	17 510	1 898.0	1952	84 12
339	10.30	0.055	0.20	0.69							
4 207	9.63	0.055	0.20	0.69							
64	1.50	0.150	0.40	0.70	156	824	82	15 461	2 018.0	1980	83 12 - SUSP 83 12
64	4.80	0.100	0.20	0.83	100	844	95	26 632	3 196.4	1983	84 06
64	5.80	0.050	0.40	0.82	72	869	59	11 933	1 753.1	1978	79 05 - SUSP 79 06
250					55	825	29	6 520	783.3	1966	88 02
15	4.37	0.190	0.30	0.86							
235	5.47	0.190	0.30	0.86							
64	2.16	0.150	0.50	0.86	64	825	29	6 370	766.0	1970	83 12 - ABAND 86 04
128	9.98	0.200	0.29	0.86	55	825	27	5 800	757.2	1972	85 12
64	1.50	0.220	0.45	0.81	64	876	43	9 300	1 296.8	1982	84 02 - SUSP 85 02
64	3.00	0.080	0.48	0.88	33	859	47	8 829	1 295.0	1985	85 09 - ABAND 87 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
	INITIAL VOLUME IN PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
COYOTE 029-15W4 (CONTINUED)								
BANFF B	628.0	<0.01		0.1		0.1	0.1	
CRAIGMYLE 032-16W4								
OSTRACOD B	299.0	0.10		29.9		29.9	0.9	29.0
ELLERSLIE E	187.0	0.10		18.7		18.7	1.0	17.7
DETRITAL B	177.0	0.10		17.7		17.7	0.2	17.5
DETRITAL C	348.0	0.10		34.8		34.8		34.8
DETRITAL D	303.0	0.10		30.3		30.3	0.1	30.2
BANFF A	217.0	0.10		21.7		21.7	7.2	14.5
BANFF B	156.0	0.10		15.6		15.6	4.2	11.4
BANFF E	176.0	0.10		17.6		17.6	0.1	17.5
BANFF F	507.0	0.15		76.1		76.1	11.4	64.7
BANFF G	79.4	<0.01		0.1		0.1		0.1
BANFF H	180.0	0.10		18.0		18.0	0.1	17.9
BANFF I	893.0	0.15		134.0		134.0	26.8	107.2
BANFF J	236.0	0.15		35.4		35.4	9.6	25.8
BANFF K	248.0	0.15		37.2		37.2	7.6	29.6
BANFF L	113.0	0.10		11.3		11.3	0.7	10.6
BANFF M	31.5	0.15		4.7		4.7	0.1	4.6
BANFF N	79.0	0.10		7.9		7.9	0.2	7.7
BANFF O	360.0	<0.01		0.2		0.2	0.2	
CRANBERRY 026-01W5								
GILWOOD A	96.1	0.20		19.2		19.2	11.2	8.0
CROSSFIELD 026-01W5								
CARDIUM A TOTAL	25 700.0			1 540.0	1 490.0	3 030.0	2 927.8	102.2
PRIMARY AREA	795.0	0.06		47.7		47.7		
WATER FLOOD AREA	24 900.0	0.06	0.06	1 490.0	1 490.0	2 990.0		
CARDIUM B	391.0	0.10		39.1		39.1	21.2	17.9
CARDIUM C	53.7	0.10		5.4		5.4	1.8	3.6
JUMPING POUND A	119.0	0.14		16.7		16.7	12.3	4.4
SECOND WHITE SPECKS A	278.0	0.15		41.7		41.7	30.6	11.1
SECOND WHITE SPECKS B	253.0	0.15		38.0		38.0	23.2	14.8
VIKING A	311.0	0.15		46.7		46.7	21.9	24.8
VIKING B	2 026.0	0.10		203.0		203.0	37.0	166.0
VIKING C	38.8	0.15		5.8		5.8	3.3	2.5
VIKING E	140.0	0.10		14.0		14.0	1.3	12.7
RUNDLE C	1 000.0	0.20		200.0		200.0	94.4	105.6
RUNDLE E	2 260.0	0.05		113.0		113.0	91.1	21.9
RUNDLE G	1 230.0	0.25		308.0		308.0	192.3	115.7
CROSSFIELD EAST 029-01W5								
CARDIUM B	144.0	0.07		10.1		10.1	4.6	5.5
CARDIUM C	2 430.0	0.12		292.0		292.0	273.7	18.3
CARDIUM D	1 148.0	0.06		68.9		68.9	37.3	31.6
CARDIUM F	57.9	0.15		8.7		8.7	3.0	5.7
ELLERSLIE A	212.0	0.05		10.6		10.6	6.4	4.2
ELKTON A	1 060.0	0.17		180.0		180.0	167.9	12.1
ELKTON B	188.0	<0.01		1.7		1.7		1.7
ELKTON D	2 700.0	0.14		378.0		378.0	346.3	31.7
ELKTON F	634.0	0.15		95.1		95.1	54.5	40.6
CRYSTAL 046-03W5								
BELLY RIVER A	389.0	0.10		38.9		38.9	2.0	36.9
VIKING A TOTAL	16 380.0			2 005.0	3 528.0	5 533.0	1 729.5	3 803.5
PRIMARY AREA	2 290.0	0.06		137.0		137.0		
WATER FLOOD AREA	14 090.0	<0.14	0.25	1 868.0	3 528.0	5 396.0		
VIKING H	1 640.0	0.15		246.0		246.0	84.0	162.0
VIKING I	242.0	<0.01		0.2		0.2	0.2	
CULP 079-23W5								
WABAMUN A	561.0	0.20		112.0		112.0	12.0	100.0
WABAMUN B	876.0	0.25		219.0		219.0	17.7	201.3
GRANITE WASH A	86.6	0.25		21.7		21.7	3.3	18.4
CYGNET 038-01W5								
VIKING A	385.0	0.15		57.8		57.8	27.8	30.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	26.80	0.070	0.33	0.78	60	876	45	8 925	1 303.6	1986	86 08 - SUSP 86 08
64	4.50	0.270	0.50	0.77	40	871	51	9 528	1 254.6	1985	85 12 - GPP
64	3.40	0.180	0.38	0.77	58	880	42	9 360	1 273.7	1986	86 08 - GPP
64	2.00	0.210	0.25	0.88	45	860	39	8 298	1 238.0	1986	87 07
64	3.00	0.270	0.21	0.85	60	870	41		1 249.5	1986	87 12
64	4.30	0.180	0.28	0.85	61	834	42	7 376	1 242.3	1986	87 12
64	9.50	0.070	0.40	0.85	65	869	43	9 641	1 251.8	1984	84 10 - GPP
64	9.00	0.058	0.45	0.85	60	859	39	9 008	1 296.0	1986	86 10
64	15.00	0.037	0.34	0.75	88	860	40	9 282	1 245.7	1986	87 03
64	23.60	0.070	0.36	0.75	88	860	40	9 282	1 255.3	1986	88 01
64	4.80	0.040	0.24	0.85	61	860	42	9 420	1 237.7	1986	87 04 - SUSP 87 02
64	11.00	0.040	0.25	0.85	61	860	37	9 033	1 262.5	1986	87 04
192	13.70	0.054	0.26	0.85	60	869	36	9 489	1 268.0	1986	88 03
64	13.00	0.047	0.29	0.85	62	898	41	9 300	1 263.0	1985	86 11
64	10.50	0.060	0.31	0.89	45	898	41	11 011	1 296.3	1985	86 06
64	8.10	0.040	0.36	0.85	64	880	40	9 665	1 275.1	1986	86 08
64	4.00	0.030	0.45	0.75	88	878	40	10 952	1 289.5	1985	87 09 - SUSP 87 07
64	2.60	0.080	0.30	0.85	60	870	41	9 617	1 256.3	1986	87 11
64	14.50	0.060	0.24	0.85	60	870	41	9 592	1 236.2	1986	87 11 - ABAND 87 12
64	3.00	0.110	0.35	0.70	68	825	62	22 888	2 461.5	1980	82 02
12 910					82	834	66	25 300	2 033.9	1956	81 12 - GPP
259	4.30	0.098	0.10	0.81							
12 651	2.50	0.108	0.10	0.81							
192	2.71	0.110	0.10	0.76	53	834	54	8 270	1 719.4	1961	84 12 - GPP
64	1.30	0.100	0.15	0.76	105	851	54	8 230	1 634.7	1982	84 03
110	1.22	0.160	0.30	0.79	82	834	66	28 270	2 082.7	1961	82 12 - GPP
285	6.64	0.030	0.30	0.70	89	815	49	28 270	2 235.4	1974	87 12 - GPP
64	3.00	0.220	0.20	0.75	85	827	70	27 598	2 171.5	1980	87 12
262	1.90	0.110	0.29	0.80	44	839	64	22 385	2 176.0	1964	86 09 - GPP
676	4.46	0.120	0.30	0.80	84	838	80	14 428	2 251.1	1982	88 06
64	1.60	0.080	0.40	0.79	84	838	80	16 046	2 290.2	1982	87 12
64	5.97	0.077	0.44	0.85	48	811	72	15 905	2 270.0	1983	85 03
128	12.98	0.110	0.28	0.76	133	865	81	22 510	2 607.1	1963	86 10
669	4.63	0.120	0.20	0.76	121	860	71	19 510	2 114.1	1967	71 02
202	12.19	0.102	0.30	0.70	131	860	81	22 340	2 601.8	1974	76 06
128	1.68	0.110	0.15	0.75	46	815	60	20 590	1 720.6	1966	83 10
3 091	1.14	0.100	0.14	0.80	69	849	59	20 943	1 765.9	1954	88 05
473	3.31	0.115	0.15	0.75	53	815	63	20 586	1 657.8	1968	88 07 - GPP
64	1.00	0.130	0.13	0.80	85	850	50	14 150	1 637.5	1984	85 06
64	5.30	0.100	0.30	0.89	35	874	66	15 250	2 103.8	1977	79 01 - GPP
486	6.74	0.060	0.17	0.68	195	855	70	20 890	2 291.5	1968	81 12 - GPP
65	11.86	0.047	0.20	0.65	191	855	71	20 690	2 241.2	1965	68 05 - ABAND 67 09
462	11.00	0.092	0.15	0.68	191	855	79	21 100	2 325.1	1965	87 12 - GPP
128	11.40	0.090	0.29	0.68	154	853	79	20 813	2 328.8	1975	87 12
64	7.30	0.170	0.45	0.89	39	845	44	7 246	1 131.1	1986	87 01
5 090					82	825	76	10 316	1 752.0	1978	88 12
2 295	3.91	0.090	0.65	0.81							
2 795	9.56	0.105	0.38	0.81							
804	3.33	0.120	0.37	0.81	74	807	60	10 725	1 737.4	1983	84 12
64	11.52	0.090	0.55	0.81	74	835	60	9 396	1 743.9	1985	88 12 - SUSP 86 12
64	40.60	0.045	0.40	0.80	76	858	61	19 541	1 853.7	1985	86 06
64	20.90	0.120	0.30	0.78	111	841	60	20 784	1 902.8	1985	86 03
64	1.70	0.150	0.39	0.87	35	835	74	26 282	2 399.0	1986	85 07
607	1.94	0.065	0.37	0.80	130	813	65	13 110	1 641.8	1981	86 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CYGNET 038-01W5 (CONTINUED)								
VIKING C	176.0	0.15		26.4		26.4	11.9	14.5
VIKING F	140.0	<0.01		0.1		0.1	0.1	
VIKING G	613.0	0.15		92.0		92.0	33.6	58.4
VIKING H	142.0	0.15		21.3		21.3	11.8	9.5
VIKING J	139.0	<0.02		1.6		1.6	1.6	
VIKING K	51.7	0.20		10.3		10.3	7.1	3.2
VIKING M	24.6	<0.02		0.4		0.4	0.4	
VIKING N	184.0	0.15		27.6		27.6	7.4	20.2
VIKING O	93.6	0.20		18.7		18.7	6.8	11.9
GLAUCONITIC A	36.3	<0.01		0.2		0.2	0.2	
GLAUCONITIC B	207.0	0.15		31.1		31.1	4.7	26.4
GLAUCONITIC C	154.0	0.15		23.1		23.1	2.1	21.0
ELLERSLIE A	86.4	0.20		17.3		17.3	4.4	12.9
ELLERSLIE B	30.4	<0.02		0.5		0.5	0.5	
ELLERSLIE C	76.4	0.15		11.5		11.5	2.3	9.2
ELLERSLIE D	117.0	0.10		11.7		11.7	0.4	11.3
ELLERSLIE E	60.5	0.10		6.1		6.1	0.2	5.9
ELLERSLIE J	62.3	0.10		6.2		6.2	1.7	4.5
PEKISKO A	563.0	0.10		56.3		56.3	3.2	53.1
CYN-PEM 051-11W5								
BELLY RIVER A	269.0	0.03		8.1		8.1	3.9	4.2
BELLY RIVER B	184.0	<0.01		1.8		1.8	1.8	
BELLY RIVER C	416.0	0.10		41.6		41.6	4.2	37.4
CARDIUM A TOTAL	6 480.0			776.0	1 470.0	2 246.0	2 059.6	186.4
PRIMARY AREA	70.0	<0.09		6.0		6.0		
WATER FLOOD AREA	6 410.0	<0.13	0.23	770.0	1 470.0	2 240.0		
CARDIUM B	736.0	0.12		88.3		88.3	41.4	46.9
CARDIUM C TOTAL	1 450.0			169.0	115.0	284.0	152.7	131.3
PRIMARY AREA	90.0	<0.05		4.0		4.0		
WATER FLOOD AREA	1 360.0	<0.12	0.09	165.0	115.0	280.0		
CARDIUM D WATER FLOOD	6 200.0	0.12	0.23	744.0	1 426.0	2 170.0	655.5	1 514.5
CARDIUM F	54.1	<0.01		0.2		0.2	0.2	
CARDIUM J	239.0	0.05		12.0		12.0	2.1	9.9
CARDIUM L WATER FLOOD	1 000.0	0.12	0.23	120.0	230.0	350.0	145.8	204.2
CARDIUM M	652.0	0.12		78.2		78.2	16.9	61.3
CARDIUM N	185.0	0.10		18.5		18.5	3.2	15.3
CARDIUM O	1 520.0	0.10		152.0		152.0	65.4	86.6
CARDIUM P	1 580.0	0.12		190.0		190.0	23.7	166.3
CARDIUM Q	54.2	0.10		5.4		5.4	1.6	3.8
CARDIUM R	49.2	0.12		5.9		5.9	1.4	4.5
CARDIUM S	492.0	0.05		24.6		24.6	4.4	20.2
CARDIUM T	339.0	0.02		6.8		6.8	2.9	3.9
CARDIUM U	43.6	0.15		6.5		6.5	4.7	1.8
VIKING A	310.0	0.15		46.5		46.5	4.7	41.8
ELLERSLIE C	206.0	0.15		30.9		30.9	19.8	11.1
ROCK CREEK I	63.4	0.10		6.3		6.3	0.3	6.0
ROCK CREEK J	21.1	0.10		2.1		2.1		2.1
ROCK CREEK K	216.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C & G	313.0	0.03		9.4		9.4	3.4	6.0
ROCK CREEK E & F	160.0	0.05		8.0		8.0		8.0
NISKU A WATER FLOOD	475.0	0.20	0.25	95.0	119.0	214.0	103.6	110.4
DAVEY 034-27W4								
BELLY RIVER B	2 500.0	0.05		125.0		125.0	65.3	59.7
BELLY RIVER F	857.0	0.05		42.9		42.9	17.2	25.7
BELLY RIVER G	316.0	0.03		9.5		9.5	3.8	5.7
PEKISKO A	3 110.0	0.06		187.0		187.0	142.2	44.8
PEKISKO C	183.0	0.05		9.2		9.2	3.5	5.7
D-2 A	112.0	<0.01		0.3		0.3	0.3	
D-2 B	278.0	<0.01		2.1		2.1	2.1	
DAWSON 080-17W5								
BEAVERHILL LAKE A	477.0	0.20		95.4		95.4	79.9	15.5
BEAVERHILL LAKE B	368.0	0.20		73.6		73.6	23.5	50.1
SLAVE POINT A	72.9	<0.04		2.5		2.5	2.5	
SLAVE POINT B	128.0	0.25		32.0		32.0	8.2	23.8
SLAVE POINT C	84.1	<0.07		5.5		5.5	5.5	
SLAVE POINT D	294.0	<0.01		0.6		0.6	0.6	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
259	1.89	0.090	0.43	0.70	130	820	57	13 210	1 715.1	1980	85 04 - GPP
64	3.50	0.120	0.35	0.80	78	821	50	12 929	1 688.3	1983	83 12 - SUSP 85 04
1 088	1.60	0.080	0.45	0.80	100	820	65	12 850	1 634.1	1980	86 09
256	1.60	0.080	0.46	0.80	100	818	65	12 716	1 634.2	1980	86 01
64	4.40	0.100	0.35	0.76	130	798	44	7 753	1 723.0	1983	84 04 - ABAND 86 10
192	0.68	0.070	0.31	0.80	83	822	63	11 730	1 687.4	1984	85 11
64	1.00	0.080	0.40	0.80	99	803	44	12 850	1 670.2	1980	88 12 - SUSP 86 11
256	2.14	0.060	0.30	0.80	74	821	63	11 441	1 632.6	1985	86 12
90	2.50	0.080	0.35	0.80	99	802	44	12 334	1 719.8	1986	87 12
32	1.50	0.140	0.35	0.83	68	923	62	12 760	1 832.0	1980	80 11 - ABAND 85 01
64	3.70	0.140	0.22	0.80	90	868	65	15 965	1 834.3	1985	85 12
64	2.80	0.130	0.15	0.78	91	877	58	16 172	1 786.9	1985	86 02 - SUSP 87 06
120	1.00	0.120	0.25	0.80	70	818	61	15 319	1 947.0	1985	87 12
64	1.10	0.090	0.40	0.80	80	865	58	14 777	1 813.2	1985	86 06 - SUSP 86 07
64	1.20	0.150	0.15	0.78	91	861	69	15 175	1 976.2	1985	86 08
64	2.80	0.110	0.24	0.78	91	907	69	14 668	1 866.9	1986	87 04
64	1.50	0.105	0.25	0.80	71	845	70	13 005	1 891.8	1985	87 10
64	1.30	0.120	0.22	0.80	76	861	74	15 205	1 916.8	1981	82 02
128	9.77	0.084	0.33	0.80	95	913	54	16 497	1 837.1	1986	87 10
64	5.30	0.167	0.40	0.79	87	810	48	8 191	1 206.0	1982	86 12
64	3.20	0.180	0.44	0.89	66	822	37	7 956	1 183.3	1982	83 06 - SUSP 84 12
64	7.29	0.143	0.30	0.89	39	839	41	9 681	1 379.3	1987	88 02
1 447					52	844	56	19 130	1 643.6	1962	86 11
128	0.73	0.097	0.11	0.87							
1 319	6.47	0.097	0.11	0.87							
192	4.66	0.105	0.10	0.87	52	844	57	19 200	1 672.5	1962	85 08 - GPP
295					52	844	57	19 170	1 652.8	1963	87 03
39	2.72	0.107	0.10	0.88							
256	6.27	0.107	0.10	0.88							
1 370	6.36	0.100	0.20	0.89	41	868	54	12 879	1 559.2	1980	87 09
64	1.20	0.100	0.20	0.88	52	878	56	10 794	1 544.4	1982	82 12 - SUSP 85 11
64	7.00	0.100	0.40	0.89	41	871	54	7 528	1 512.8	1982	85 12 - SUSP 87 06
171	6.51	0.120	0.15	0.88	61	856	56	19 037	1 642.7	1983	85 07
192	8.23	0.060	0.20	0.86	53	845	36	10 234	1 792.1	1983	86 07
64	2.88	0.134	0.15	0.88	44	844	58	18 959	1 750.7	1984	85 03
256	8.84	0.100	0.21	0.85	45	844	52	10 011	1 567.0	1982	85 09
320	7.36	0.100	0.22	0.86	55	825	58	19 359	1 814.6	1982	85 12
64	1.72	0.070	0.20	0.88	44	860	58	10 234	1 770.8	1985	86 06
64	1.30	0.080	0.15	0.87	44	860	58	11 211	1 605.2	1985	86 10
128	4.78	0.110	0.15	0.86	61	856	56	17 363	1 792.0	1984	86 10
64	6.00	0.130	0.20	0.85	54	834	64	10 237	1 797.8	1980	87 12 - GPP
64	1.50	0.060	0.15	0.89	41	867	54	8 246	1 569.1	1987	87 05
128	3.95	0.140	0.46	0.81	79	845	61	13 393	1 916.2	1986	86 10
100	2.80	0.120	0.15	0.72	384	787	91	28 955	2 380.5	1982	87 12
64	2.40	0.082	0.32	0.74	120	828	80	19 744	2 207.5	1983	84 04 - SUSP 86 04
64	0.80	0.082	0.32	0.74	120	828	80	19 662	2 197.9	1983	84 04
64	6.38	0.089	0.30	0.85	120	853	80	16 550	2 174.2	1985	86 06 - SUSP 86 03
64	10.25	0.104	0.38	0.74	120	829	78	15 899	2 177.4	1981	85 12 - GPP
64	3.50	0.120	0.30	0.85	120	828	80	19 188	2 313.1	1976	87 03
64	13.90	0.090	0.10	0.65	151	806	90	26 600	2 658.7	1978	80 12
384	6.30	0.185	0.40	0.93	17	840	44	4 130	1 211.7	1978	83 05
192	5.43	0.170	0.48	0.93	17	841	44	4 130	1 187.5	1978	87 07
64	4.94	0.185	0.40	0.90	26	854	43	3 961	1 206.5	1980	85 12
768	11.20	0.066	0.27	0.75	98	855	66	12 580	1 988.4	1958	81 12
64	13.60	0.040	0.30	0.75	85	854	59	11 665	1 990.7	1981	84 12 - GPP
65	9.75	0.034	0.20	0.65	177	825	66	21 710	2 355.5	1974	78 07 - ABAND 77 12
65	16.46	0.049	0.18	0.65	220	825	66	21 580	2 354.9	1974	80 12 - ABAND 79 11
127	6.38	0.090	0.15	0.77	91		69	20 059	2 073.0	1953	86 02
64	5.49	0.160	0.15	0.77	99	834	64	19 622	1 287.5	1973	87 11
64	2.80	0.066	0.23	0.80	72	839	67	19 515	2 123.5	1984	86 02 - SUSP 86 03
67	3.80	0.080	0.28	0.87	42	840	59	20 253	1 994.1	1982	88 12
64	2.30	0.105	0.32	0.80	70	840	71	20 406	2 122.7	1982	86 02 - SUSP 86 03
64	7.68	0.095	0.30	0.90	29	840	55	21 153	2 120.5	1983	88 12 - SUSP 86 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
DAWSON 080-17W5 (CONTINUED)								
SLAVE POINT E	17.6	<0.07		1.2		1.2	1.2	
SLAVE POINT F	40.0	<0.17		6.7		6.7	6.7	
SLAVE POINT G	40.0	0.20		8.0		8.0	0.7	7.3
SLAVE POINT H	661.0	0.20		132.0		132.0	15.3	116.7
SLAVE POINT I	189.0	0.15		28.4		28.4	4.3	24.1
SLAVE POINT J	530.0	0.30		159.0		159.0	18.5	140.5
GRANITE WASH A	115.0	<0.02		1.5		1.5	1.5	
GRANITE WASH B	337.0	0.10		33.7		33.7	7.5	26.2
GRANITE WASH C	130.0	<0.02		2.1		2.1	2.1	
DEL BONITA 001-21W4								
RUNDLE	397.0	0.29		115.0		115.0	109.2	5.8
DELIA 033-18W4								
ELLERSLIE A	73.4	0.10		7.3		7.3	1.6	5.7
BANFF A	85.4	0.10		8.5		8.5	0.6	7.9
BANFF B	210.0	0.10		21.0		21.0		21.0
DIMSDALE 071-07W6								
CHARLIE LAKE A	100.0	0.20		20.0		20.0	4.4	15.6
HALFWAY A	183.0	0.05		9.2		9.2	3.4	5.8
HALFWAY B	82.1	0.10		8.2		8.2	5.8	2.4
DOE 081-12W6								
DOIG A	500.0	0.15		75.0		75.0	6.1	68.9
DONALDA 043-19W4								
UPPER MANNVILLE F	172.0	0.15		25.8		25.8	11.1	14.7
DOWLING LAKE 032-15W4								
UPPER MANNVILLE A	465.0	0.10		46.5		46.5	1.7	44.8
LOWER MANNVILLE B	72.1	<0.01		0.1		0.1		0.1
BANFF A	55.5	0.10		5.6		5.6	0.1	5.5
DRUMHELLER 029-19W4								
MANNVILLE A	291.0	0.05		14.6		14.6	10.0	4.6
MANNVILLE F	450.0	0.01		4.5		4.5	4.5	
MANNVILLE I	2 300.0	0.05		115.0		115.0	15.7	99.3
MANNVILLE K	228.0	<0.01		0.2		0.2	0.2	
MANNVILLE L	265.0	<0.01		0.1		0.1	0.1	
MANNVILLE T	157.0	<0.06		7.8		7.8	2.7	5.1
MANNVILLE Y	265.0	<0.01		0.1		0.1		0.1
MANNVILLE Z	177.0	0.10		17.7		17.7	5.0	12.7
MANNVILLE AA	571.0	<0.01		0.2		0.2	0.2	
MANNVILLE BB	267.0	<0.01		0.2		0.2	0.2	
MANNVILLE DD	1 250.0	0.03		37.5		37.5	15.4	22.1
MANNVILLE FF	305.0	<0.01		1.2		1.2	1.2	
UPPER MANNVILLE A	524.0	0.15		78.6		78.6	64.2	14.4
UPPER MANNVILLE C	253.0	0.10		25.3		25.3	7.3	18.0
UPPER MANNVILLE D	36.9	0.10		3.7		3.7	0.7	3.0
UPPER MANNVILLE I	14.8	0.10		1.5		1.5	0.1	1.4
UPPER MANNVILLE K	110.0	0.10		11.0		11.0	0.5	10.5
LOWER MANNVILLE A	157.0	0.05		7.9		7.9	2.1	5.8
LOWER MANNVILLE C	532.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE G	367.0	0.10		36.7		36.7	0.1	36.6
LOWER MANNVILLE H	265.0	0.10		26.5		26.5	1.0	25.5
LOWER MANNVILLE I	182.0	0.10		18.2		18.2	2.3	15.9
LOWER MANNVILLE J	155.0	0.10		15.5		15.5		15.5
LOWER MANNVILLE M	473.0	0.10		47.3		47.3	4.0	43.3
BANFF B	71.4	<0.01		0.1		0.1	0.1	
D-2 A	2 809.0	0.65		1 826.0		1 826.0	1 520.0	306.0
D-2 B	5 750.0	0.50		2 880.0		2 880.0	2 038.8	841.2
D-2 C	172.0	0.15		25.8		25.8	8.1	17.7
DUHAMEL 045-21W4								
WABAMUN A	48.0	<0.08		3.5		3.5	3.5	
D-2 A	2 000.0	0.51		1 020.0		1 020.0	1 000.0	20.0
D-3 A	191.0	<0.10		18.3		18.3	18.3	
D-3 B WATER FLOOD	2 240.0	0.50	0.15	1 120.0	336.0	1 460.0	1 327.0	133.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	0.88	0.060	0.40	0.87	42	837	53	18 438	2 073.3	1983	88 12 - SUSP 86 06
96	2.00	0.060	0.60	0.87	92	838	69	20 096	2 074.0	1980	88 12 - SUSP 86 06
64	1.71	0.060	0.30	0.87	45	842	48	19 645	2 037.4	1987	88 12
192	6.53	0.079	0.25	0.89	27	835	50	19 247	1 933.2	1986	88 01
64	8.40	0.057	0.29	0.87	44	841	49	19 913	2 028.4	1986	86 11
192	6.69	0.069	0.32	0.88	42	825	53	19 631	1 972.7	1985	88 12
64	3.00	0.120	0.45	0.91	28	831	50	16 338	2 094.0	1983	86 02 - SUSP 84 02
64	4.50	0.200	0.35	0.90	29	834	60	20 792	2 098.5	1983	87 12
64	3.10	0.100	0.25	0.87	38	840	72	21 264	2 097.4	1981	88 12 - SUSP 86 06
228	7.92	0.050	0.45	0.80	62	839	44	8 270	1 568.8	1936	87 12 - GPP
64	1.50	0.180	0.50	0.85	25	866	39	9 304	1 327.8	1982	82 11 - SUSP 86 12
64	5.70	0.050	0.40	0.78	58	880	40	8 799	1 288.8	1986	86 08
64	15.70	0.030	0.18	0.85	61	849	61	9 420	1 434.2	1987	87 07
94	1.00	0.150	0.11	0.80	86	868	74	21 570	2 049.3	1986	88 12
64	6.80	0.084	0.35	0.77	108	820	78	21 897	2 148.8	1980	83 12
64	4.50	0.073	0.45	0.71	120	821	65	21 470	2 180.6	1980	82 05
589	1.45	0.110	0.30	0.76	92	832	72	14 863	1 576.2	1986	88 06
128	1.02	0.210	0.32	0.92		856	32	8 011	1 180.6	1986	88 12
64	6.50	0.180	0.27	0.85	59	852	37	8 659	1 175.8	1986	87 11 - GPP
64	2.10	0.100	0.39	0.88	53	892	35	8 736	1 239.9	1987	88 01 - ABAND 87 11
64	4.70	0.035	0.38	0.85	50	880	37	7 938	1 249.4	1987	87 10
85	4.07	0.150	0.30	0.80	59	865	49	9 430	1 355.6	1950	83 06 - GPP
71	3.96	0.252	0.28	0.88	44	855	47	10 340	1 303.5	1969	85 07 - SUSP 86 05
512	8.36	0.140	0.52	0.80	44	855	54	9 340	1 299.5	1966	86 10 - GPP
64	4.60	0.140	0.35	0.85	62	849	54	10 080	1 305.2	1968	79 11 - ABAND 82 05
65	4.27	0.200	0.40	0.80	71	855	56	9 430	1 310.9	1969	70 08 - SUSP 70 02
65	1.83	0.200	0.23	0.86				10 260	1 364.6	1975	77 04
64	7.00	0.100	0.35	0.91	28	887	54	6 300	1 250.3	1978	79 02 - ABAND 79 01
128	1.30	0.220	0.43	0.85	60	858	46	10 282	1 272.1	1978	84 06 - GPP
64	15.90	0.120	0.45	0.85	54	885	46	7 120	1 321.4	1979	83 12 - SUSP 83 01
64	6.30	0.130	0.40	0.85	62	871	47	9 804	1 324.3	1980	83 12 - SUSP 81 06
128	15.90	0.140	0.46	0.81	78	825	47	9 468	1 162.9	1980	84 04 - GPP
64	4.50	0.210	0.37	0.80	78	877	41	9 262	1 324.3	1980	82 07 - SUSP 83 09
128	3.71	0.206	0.33	0.80	62	855	46	9 358	1 269.7	1961	83 06
64	4.70	0.210	0.50	0.80	79	869	50	10 500	1 318.2	1982	82 09
64	1.00	0.160	0.55	0.80	87	869	40	9 200	1 288.2	1979	83 05
64	2.30	0.070	0.82	0.80	60	885	46	9 826	1 355.2	1985	88 03
64	2.40	0.180	0.53	0.85	80	850	40		1 323.8	1987	88 04
64	3.56	0.140	0.44	0.88	51	850	40	9 340	1 270.5	1981	83 12 - GPP
64	11.80	0.160	0.50	0.88	43	844	40	9 180	1 139.9	1982	83 03 - SUSP 83 03
64	8.00	0.110	0.26	0.88	43	887	43	9 760	1 306.0	1984	86 03 - SUSP 86 03
64	8.40	0.140	0.60	0.88	43	879	43	9 435	1 266.2	1985	86 03
64	5.30	0.140	0.55	0.85	58	855	44	9 319	1 256.0	1984	85 04 - GPP
64	6.41	0.110	0.57	0.80	80	879	44	8 372	1 313.0	1982	87 11 - SUSP 87 08
64	10.00	0.140	0.40	0.88	52	850	43	8 431	1 255.0	1980	82 03
64	2.80	0.070	0.33	0.85	50	876	50	8 903	1 321.4	1979	83 12 - ABAND 80 08
677	7.63	0.078	0.17	0.84	66	860	55	13 170	1 655.1	1951	88 12
1 226	9.29	0.076	0.18	0.81	70	855	54	13 200	1 613.7	1961	84 12
64	5.00	0.080	0.20	0.84	66	858	55	12 934	1 625.5	1981	83 12 - GPP
65	1.22	0.100	0.30	0.87	44	844	71	8 960	1 374.6	1956	67 02 - SUSP 69 02
507	10.36	0.058	0.20	0.82	68	844	54	10 340	1 375.3	1951	81 12 - GPP
272	4.48	0.028	0.30	0.80	79	844	57	12 890	1 472.2	1956	64 04 - ABAND 69 12
212	20.52	0.073	0.14	0.82	79	844	56	12 930	1 461.2	1950	85 07

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
EAGLESHAM 077-25W5								
DEBOLT D	149.0	<0.08		11.3		11.3	11.3	
D-1 A	217.0	0.30		65.1		65.1	45.2	19.9
D-1 B	504.0	0.10		50.4		50.4	24.4	26.0
D-1 C	624.0	0.20		125.0		125.0	9.2	115.8
D-1 D	636.0	<0.01		2.1		2.1	2.1	
D-3 A	734.0	0.40		294.0		294.0	276.8	17.2
EARRING 083-08W6								
CHARLIE LAKE A	272.0	0.15		40.8		40.8	0.2	40.6
EDSON 052-17W5								
CARDIUM A	84.7	0.15		12.7		12.7	9.2	3.5
CARDIUM B TOTAL	3 530.0			358.0	166.0	524.0	426.9	97.1
PRIMARY AREA	221.0	0.12		26.5		26.5		
WATER FLOOD AREA	3 310.0	0.10	0.05	331.0	166.0	497.0		
CARDIUM C	2 640.0	0.05		132.0		132.0	91.6	40.4
CARDIUM E	236.0	0.08		18.9		18.9	5.2	13.7
CARDIUM J	500.0	0.10		50.0		50.0	35.8	14.2
CARDIUM T	150.0	0.10		15.0		15.0	7.2	7.8
CARDIUM U	80.9	0.12		9.7		9.7	8.0	1.7
CARDIUM W	32.4	0.10		3.2		3.2		3.2
CARDIUM EE	55.9	0.10		5.6		5.6	3.4	2.2
CARDIUM II	99.1	0.10		9.9		9.9	4.1	5.8
CARDIUM JJ	250.0	0.10		25.0		25.0	12.3	12.7
CARDIUM KK	105.0	0.17		17.9		17.9	12.1	5.8
CARDIUM OO	38.4	0.15		5.8		5.8	3.1	2.7
CARDIUM SS	109.0	0.10		10.9		10.9	1.2	9.7
CARDIUM TT	45.1	0.20		9.0		9.0	2.5	6.5
CARDIUM UU	26.6	0.10		2.7		2.7	2.5	0.2
CARDIUM VV	66.8	0.12		8.0		8.0	4.8	3.2
CARDIUM XX	62.1	0.10		6.2		6.2	1.0	5.2
CARDIUM CC & WW	237.0	0.10		23.7		23.7	12.6	11.1
CARDIUM RR & ZZ	1 440.0	0.12		173.0		173.0	94.4	78.6
CARDIUM I,K,P & AAA	4 670.0	0.05		231.3		231.3	195.1	36.2
CARDIUM CCC	168.0	<0.01		0.2		0.2	0.2	
CARDIUM DDD	49.0	0.10		4.9		4.9	1.1	3.8
SECOND WHITE SPECKS A	349.0	0.10		34.9		34.9	13.8	21.1
VIKING C	224.0	<0.02		2.9		2.9	2.9	
BLUESKY A	3 800.0	0.05		190.0		190.0	83.3	106.7
GETHING C	130.0	0.10		13.0		13.0	7.5	5.5
CADOMIN A	108.0	<0.01		0.5		0.5	0.5	
ELLERSLIE 051-24W4								
BLAIRMORE A	79.6	<0.11		8.1		8.1	8.1	
BLAIRMORE B	186.0	<0.32		59.2		59.2	59.2	
ELMWORTH 070-11W6								
DOE CREEK A	160.0	0.10		16.0		16.0	0.7	15.3
DOE CREEK B	1 450.0	0.10		145.0		145.0	33.4	111.6
DOE CREEK C	55.5	0.10		5.6		5.6	0.9	4.7
CADOTTE H	253.0	<0.01		0.6		0.6	0.6	
CHARLIE LAKE A	2 780.0	0.15		417.0		417.0	167.6	249.4
CHARLIE LAKE B	114.0	<0.02		1.3		1.3	1.3	
ELNORA 035-23W4								
UPPER MANNVILLE E	200.0	0.05		10.0		10.0	5.4	4.6
LOWER MANNVILLE B	71.3	0.10		7.1		7.1	1.0	6.1
ENCHANT 012-16W4								
UPPER MANNVILLE K	856.0	0.01		8.6		8.6	2.7	5.9
LIVINGSTONE A	362.0	0.15		54.3		54.3	6.7	47.6
ARCS A	300.0	0.15		45.0		45.0	17.3	27.7
ARCS B	289.0	0.15		43.4		43.4	6.7	36.7
ARCS C	355.0	0.15		53.3		53.3	0.7	52.6
ARCS D	337.0	0.15		50.6		50.6	5.7	44.9
ARCS E	316.0	0.15		47.4		47.4	3.4	44.0
ARCS H	356.0	0.10		35.6		35.6	1.1	34.5
ARCS I	404.0	0.10		40.4		40.4	1.7	38.7
ARCS F & G	3 103.0	0.15		465.0		465.0	42.5	422.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.31	0.050	0.20	0.70	149	829	51	10 450	1 497.8	1968	83 12 - SUSP 81 02
64	23.00	0.040	0.45	0.67	167	826	64	21 977	2 047.3	1980	85 05
64	19.60	0.080	0.25	0.67	163	835	64	21 777	2 053.1	1981	83 10
64	42.30	0.040	0.14	0.67	163	840	64	21 808	2 065.1	1985	85 08
64	84.00	0.019	0.17	0.75	163	849	64	22 283	2 092.0	1985	88 12 - ABAND 88 05
191	10.33	0.062	0.13	0.69	154	820	74	25 060	2 307.0	1959	78 12 - GPP
64	6.50	0.110	0.30	0.85	60	917	48	10 444	1 145.8	1987	88 04
65	1.52	0.130	0.13	0.76	104	825	61	21 720	1 785.8	1963	86 11 - SUSP 86 07
2 522					104	825	61	22 410	1 843.7	1963	78 12 - GPP
253	1.37	0.101	0.17	0.76							
2 269	2.29	0.101	0.17	0.76							
2 495	2.40	0.090	0.21	0.62	230	815	64	23 250	1 984.1	1972	83 07 - GPP
192	1.79	0.110	0.18	0.76	103	825	60	19 974	1 922.0	1974	84 09
516	1.50	0.100	0.15	0.76	180	802	55	20 800	1 895.6	1978	81 12
97	2.00	0.150	0.15	0.61	200	800	53	20 900	1 909.7	1981	82 12
64	2.00	0.120	0.15	0.62	185	800	63	19 361	1 899.5	1981	86 12
64	0.98	0.080	0.15	0.76	105	802	62	20 800	1 896.3	1981	82 07
64	2.40	0.069	0.15	0.62	190	813	69	21 760	2 002.1	1982	82 11
64	2.70	0.090	0.15	0.75	104	825	63	19 382	1 905.9	1981	83 12
221	2.00	0.095	0.15	0.70	104	800	64	22 739	1 940.2	1980	83 12
64	1.90	0.150	0.07	0.62	195	800	65	16 297	1 900.2	1982	87 12
64	1.40	0.080	0.15	0.63	189	819	64	19 229	1 868.0	1982	84 12
64	3.00	0.110	0.18	0.63	189	819	64	19 900	1 918.3	1983	83 10
64	0.85	0.150	0.15	0.65	186	824	65	21 374	1 917.3	1983	87 12
64	0.79	0.100	0.15	0.62	186	824	65	21 050	1 969.5	1981	84 01
88	1.20	0.120	0.15	0.62	189	815	64	17 670	1 916.4	1963	87 12
64	1.30	0.130	0.18	0.70	153	821	64	18 370	1 865.2	1984	85 01
512	0.88	0.100	0.26	0.71	122	809	63	21 587	1 965.6	1974	84 10
2 083	1.41	0.100	0.27	0.67	189	817	64	17 626	1 870.7	1977	86 07
3 512	3.06	0.100	0.30	0.62	220	813	83	23 264	1 957.2	1972	87 05 - GPP
64	3.00	0.160	0.24	0.72	142	829	67	22 968	1 749.3	1982	88 12 - SUSP 83 07
64	2.00	0.060	0.15	0.75	104	826	63	22 503	2 123.3	1983	83 08
64	4.60	0.220	0.24	0.71	120	800	65	25 286	2 101.3	1981	83 02
64	4.00	0.160	0.30	0.78	80	820	88	29 610	2 690.9	1976	81 12 - SUSP 81 01
448	13.94	0.100	0.24	0.80	120	802	76	22 130	2 567.0	1979	86 12
64	5.30	0.100	0.25	0.51	308	804	82	22 870	2 539.3	1962	79 03
64	2.00	0.150	0.20	0.70	140	800	97	22 070	1 995.6	1981	82 04 - SUSP 84 02
83	0.91	0.200	0.30	0.75	46	876	47	8 820	1 188.4	1950	71 05 - ABAND 70 07
135	1.43	0.173	0.36	0.87	46	876	47	8 860	1 184.8	1951	74 04 - ABAND 74 03
64	2.30	0.190	0.35	0.88	50	840	39	9 711	1 167.7	1982	85 12
448	2.67	0.194	0.29	0.88	80	833	40	10 015	1 127.8	1986	87 05
64	1.10	0.160	0.44	0.88	55	835	36	9 800	1 139.4	1985	87 05
64	9.00	0.100	0.43	0.77	100	831	63	14 562	1 715.2	1986	88 12 - SUSP 86 08
768	5.90	0.100	0.16	0.73	114	820	85	3 100	2 396.7	1979	84 11
64	3.40	0.110	0.32	0.70	83	803	18	21 751	2 255.8	1979	83 12 - SUSP 81 03
53	4.40	0.150	0.32	0.68	54	875	52	8 340	1 499.7	1987	87 10
64	1.50	0.115	0.24	0.85	52	892	64	9 752	1 643.3	1986	86 11
64	11.30	0.190	0.30	0.89	44	891	33	11 800	1 044.7	1982	82 11 - SUSP 86 12
64	13.69	0.077	0.33	0.80	88	855	29	11 091	983.5	1987	87 09
84	3.21	0.160	0.22	0.89	50	887	35	12 266	1 326.0	1985	87 03
64	4.53	0.130	0.13	0.88	47	854	36	11 060	1 344.8	1986	87 11
64	5.00	0.180	0.30	0.88	47	854	36	12 638	1 331.5	1986	87 03
64	8.30	0.080	0.10	0.88	47	854	36	13 500	1 347.2	1986	87 11
128	3.22	0.140	0.34	0.83	75	880	36	12 506	1 334.9	1987	88 11
64	6.00	0.150	0.29	0.87	52	880	35	12 295	1 340.0	1987	88 04
64	8.34	0.110	0.21	0.87	52	900	35	12 000	1 356.1	1987	88 04
192	17.23	0.130	0.18	0.88	52	898	35	12 139	1 355.6	1987	88 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ENTICE 027-24W4								
LOWER MANNVILLE A	331.0	0.02		6.6		6.6	4.0	2.6
PEKISKO A	260.0	0.03		7.8		7.8	4.1	3.7
EQUISETUM 088-06W5								
KEG RIVER B	58.9	0.20		11.8		11.8	0.5	11.3
ERSKINE 039-20W4								
BLAIRMORE F	192.0	<0.01		1.7		1.7	1.7	
BLAIRMORE G	193.0	0.10		19.3		19.3	1.6	17.7
BLAIRMORE J	465.0	0.10		46.5		46.5	19.1	27.4
BLAIRMORE P	150.0	<0.01		0.4		0.4	0.4	
BLAIRMORE W	206.0	<0.01		0.3		0.3	0.3	
BLAIRMORE X	89.6	0.10		9.0		9.0	3.4	5.6
GLAUCONITIC E	178.0	<0.01		0.1		0.1		0.1
GLAUCONITIC F	201.0	0.10		20.1		20.1	2.5	17.6
GLAUCONITIC I	149.0	<0.01		0.3		0.3	0.3	
D-2	456.0	0.10		45.6		45.6	40.2	5.4
D-2 B	59.3	<0.01		0.4		0.4	0.4	
D-2 C	41.6	0.10		4.2		4.2	0.8	3.4
D-2 E	116.0	<0.01		0.1		0.1		0.1
D-3	6 390.0	0.60		3 830.0		3 830.0	3 636.8	193.2
ESTHER 032-02W4								
VIKING A	440.0	0.10		44.0		44.0	1.2	42.8
VIKING B & C	840.0	0.10		84.0		84.0	23.9	60.1
ESTUARY 023-22W4								
BASAL QUARTZ A	200.0	<0.01		0.1		0.1		0.1
ETHEL 067-08W5								
BEAVERHILL LAKE A	1 290.0	0.01		12.9		12.9	9.4	3.5
EVI 087-13W5								
SLAVE POINT A	880.0	0.30		264.0		264.0	92.1	171.9
SLAVE POINT B	1 210.0	0.35		424.0		424.0	97.2	326.8
SLAVE POINT C	280.0	<0.04		10.6		10.6	10.6	
SLAVE POINT D	216.0	0.10		21.6		21.6	13.8	7.8
SLAVE POINT E	66.4	0.10		6.6		6.6	1.4	5.2
SLAVE POINT F	118.0	<0.03		2.5		2.5	2.5	
SLAVE POINT H	1 050.0	0.15		158.0		158.0	49.2	108.8
SLAVE POINT I	153.0	<0.05		7.0		7.0	7.0	
SLAVE POINT K	1 410.0	0.05		70.5		70.5	24.2	46.3
SLAVE POINT L	185.0	0.16		29.6		29.6	12.1	17.5
SLAVE POINT M	62.9	0.30		18.9		18.9	3.4	15.5
SLAVE POINT N	849.0	0.20		170.0		170.0	14.2	155.8
SLAVE POINT O	145.0	<0.01		0.3		0.3	0.3	
SLAVE POINT P	216.0	0.10		21.6		21.6	0.2	21.4
SLAVE POINT Q	188.0	<0.02		2.2		2.2	2.2	
SLAVE POINT R	289.0	<0.01		2.0		2.0	2.0	
SLAVE POINT S	369.0	0.20		73.8		73.8	13.8	60.0
GILWOOD A	1 015.0	0.20		203.0		203.0	121.6	81.4
GILWOOD B	166.0	0.20		33.2		33.2	27.6	5.6
GILWOOD D	191.0	0.20		38.2		38.2	31.1	7.1
GILWOOD G	53.2	0.20		10.6		10.6	8.8	1.8
GILWOOD H	181.0	0.15		27.2		27.2	8.0	19.2
GILWOOD I	710.0	0.25		178.0		178.0	83.4	94.6
GILWOOD J	238.0	0.25		59.5		59.5	23.0	36.5
GILWOOD K	292.0	0.10		29.2		29.2	8.0	21.2
GILWOOD L	184.0	0.25		46.0		46.0	34.7	11.3
GILWOOD O	243.0	0.20		48.6		48.6	33.2	15.4
GILWOOD P	132.0	0.20		26.4		26.4	7.9	18.5
GILWOOD R	93.5	0.20		18.7		18.7	11.4	7.3
GILWOOD S	13.0	0.20		2.6		2.6	1.9	0.7
GILWOOD T	42.4	0.15		6.4		6.4	2.3	4.1
GILWOOD W	103.0	0.20		20.6		20.6	17.7	2.9
GILWOOD V & GRANITE WASH K	102.0	0.13		13.5		13.5	10.4	3.1
KEG RIVER A & GRANITE WASH N	4 760.0	0.30		1 428.0		1 428.0	353.1	1 074.9
KEG RIVER B & GRANITE WASH P	5 308.0	0.25		1 327.0		1 327.0	284.2	1 042.8
GRANITE WASH G	100.0	0.20		20.0		20.0	11.5	8.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.00	0.260	0.21	0.84	67	884	44	10 850	1 575.8	1975	82 12 - GPP
64	10.00	0.090	0.45	0.82	52	887	53	11 703	1 689.2	1980	83 12 - GPP
64	2.50	0.056	0.27	0.90		824	39	14 507	1 489.0	1987	88 06
64	3.10	0.190	0.42	0.88	48	899	50	9 900	1 385.1	1978	79 05 - ABAND 83 09
64	2.20	0.200	0.22	0.88	121	875	52	10 119	1 334.1	1980	85 05
192	2.29	0.190	0.36	0.87	47	880	46	9 991	1 340.2	1982	84 06
64	2.80	0.190	0.50	0.88	48	875	37	8 075	1 379.8	1953	88 12 - SUSP 86 09
64	3.30	0.190	0.39	0.84	64	900	54	9 883	1 348.1	1985	87 12 - SUSP 86 02
64	1.80	0.150	0.39	0.85	57	873	50	10 303	1 323.1	1981	82 09
64	2.40	0.200	0.30	0.83	68	877	44	9 797	1 329.9	1973	83 04 - ABAND 85 04
64	2.70	0.200	0.30	0.83	75	870	50	9 475	1 318.0	1981	81 07
64	2.40	0.180	0.35	0.83	68	877	44	9 360	1 334.7	1973	84 05 - SUSP 84 05
58	17.37	0.067	0.15	0.80	76	887	60	11 960	1 577.6	1955	73 12 - GPP
16	9.50	0.065	0.25	0.80	77		61	10 418	1 573.3	1980	84 12 - SUSP 84 03
32	3.19	0.060	0.15	0.80	54	887	60	11 304	1 576.2	1954	84 01 - SUSP 87 06
64	2.99	0.100	0.24	0.80	84	887	48	11 035	1 582.8	1984	85 02 - SUSP 84 10
1 720	8.60	0.062	0.15	0.82	84	887	61	15 270	1 642.0	1953	82 12 - GPP
256	1.67	0.220	0.48	0.90	38	871	29	6 696	710.0	1969	86 04
444	1.68	0.220	0.43	0.90	44	849	27	6 574	713.3	1974	86 03 - GPP
64	4.50	0.150	0.45	0.84	68	877	46	10 570	1 517.3	1980	83 12 - SUSP 81 11
519	7.19	0.057	0.17	0.73	99	815	67	21 550	2 292.7	1964	76 04 - GPP
384	5.64	0.062	0.28	0.91	171	833	38	16 364	1 573.8	1979	83 10
705	3.86	0.065	0.25	0.91	30	833	38	16 257	1 555.3	1979	82 10
64	5.00	0.120	0.20	0.91	33	833	38	15 810	1 576.5	1981	85 12 - ABAND 87 03
64	6.50	0.090	0.27	0.79	94	861	49	15 650	1 584.3	1982	86 12
64	3.00	0.060	0.27	0.79	94	833	49	15 649	1 528.3	1982	85 12 - GPP
64	4.00	0.080	0.27	0.79	94	833	49	15 926	1 543.0	1982	86 12 - SUSP 84 06
192	9.70	0.080	0.19	0.87	40	842	36	16 422	1 553.3	1983	87 12
64	6.00	0.060	0.27	0.91	32	833	38	16 793	1 545.0	1982	88 12 - SUSP 86 08
448	8.58	0.063	0.36	0.91	34	828	47	4 650	1 507.4	1980	87 12
64	13.60	0.039	0.40	0.91	42	827	66	15 558	1 507.3	1981	87 12
64	5.40	0.040	0.50	0.91	33	835	38	15 404	1 508.0	1983	84 01
192	10.68	0.078	0.41	0.90	33	794	40	14 997	1 483.1	1983	86 05
64	7.50	0.056	0.40	0.90	33	832	40	15 117	1 472.8	1984	88 12 - SUSP 86 03
64	6.80	0.080	0.31	0.90	33	840	40	15 099	1 471.2	1986	87 02 - SUSP 87 03
64	3.80	0.100	0.15	0.91	32	838	37	16 022	1 545.9	1984	88 12 - SUSP 86 04
64	6.00	0.120	0.31	0.91	35	841	37	16 331	1 553.0	1983	88 12 - SUSP 86 10
64	8.50	0.100	0.23	0.88	44	840	39	16 026	1 542.8	1984	84 03
192	4.49	0.207	0.28	0.79	45	820	49	16 745	1 590.2	1980	88 10
64	4.00	0.130	0.39	0.82	45	820	49	16 291	1 600.7	1982	88 10
192	1.27	0.147	0.35	0.82	66	833	41	16 333	1 645.2	1981	88 10
64	2.17	0.087	0.50	0.88	44	835	44	16 388	1 584.6	1982	84 05
64	1.80	0.240	0.20	0.82	45	833	49	16 754	1 593.9	1981	88 10
128	4.98	0.186	0.27	0.82	45	825	49	16 582	1 585.3	1979	88 10
64	3.00	0.170	0.17	0.88	62	835	43	16 317	1 575.7	1981	87 05
64	3.50	0.215	0.27	0.83	62	835	43	16 333	1 568.0	1981	84 12
128	2.48	0.110	0.40	0.88	36	833	42	15 410	1 515.2	1982	88 10
192	1.74	0.120	0.31	0.88	36	846	42	16 365	1 578.0	1981	88 04
64	2.00	0.180	0.30	0.82	45	833	49	16 439	1 688.0	1982	88 10
128	1.66	0.100	0.50	0.88	36	854	42	13 115	1 606.5	1982	88 10
64	0.82	0.040	0.30	0.88	44	854	39	5 600	1 613.0	1982	85 12
64	1.34	0.076	0.26	0.88	36	845	42	14 804	1 630.5	1983	88 03
64	2.48	0.134	0.45	0.88	62	840	45	15 531	1 578.0	1982	88 04
64	1.92	0.150	0.38	0.89	34	845	43	16 155	1 602.0	1982	88 04
800	4.49	0.212	0.29	0.88	53	824	38	16 055	1 496.4	1986	88 02
448	9.84	0.194	0.27	0.85	50	828	36	15 885	1 491.9	1986	87 12
103	2.20	0.100	0.51	0.90	33	833	43	16 464	1 597.4	1982	88 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
EVI 087-13W5 (CONTINUED)								
GRANITE WASH H	133.0	0.30		39.9		39.9	22.1	17.8
GRANITE WASH I	75.6	0.15		11.3		11.3	8.4	2.9
GRANITE WASH L	152.0	0.25		38.0		38.0	24.5	13.5
GRANITE WASH M	35.0	0.20		7.0		7.0	4.8	2.2
EWING LAKE 037-21W4								
D-2 C	448.0	0.35		157.0		157.0	144.7	12.3
D-2 D	1 500.0	0.30		450.0		450.0	396.6	53.4
D-2 E	121.0	<0.02		1.3		1.3	1.3	
D-2 F	246.0	0.10		24.6		24.6	1.5	23.1
D-3 A	516.0	0.55		284.0		284.0	275.2	8.8
D-3 B	252.0	0.20		50.4		50.4	21.8	28.6
EXCELSIOR 055-24W4								
MANNVILLE A	1 800.0	<0.01		0.7		0.7	0.7	
WABAMUN A	273.0	0.15		41.0		41.0	6.3	34.7
D-2	6 800.0	0.65		4 420.0	ERSO	4 420.0	4 274.8	145.2
FAIRYDELL-BON ACCORD 057-24W4								
UPPER VIKING B	234.0	0.10		23.4		23.4	20.0	3.4
MIDDLE VIKING C	36.9	<0.10		3.4		3.4	3.4	
BASAL MANNVILLE A	287.0	0.05		14.4		14.4	1.0	13.4
BASAL MANNVILLE C	1 340.0	0.08		107.0		107.0	92.4	14.6
BASAL MANNVILLE H	350.0	<0.01		0.5		0.5	0.5	
D-2 A	1 030.0	<0.13		124.6		124.6	124.6	
D-2 B	671.0	0.45		302.0		302.0	293.8	8.2
D-3 A	2 770.0	0.72		2 000.0		2 000.0	1 837.9	162.1
D-3 B	210.0	0.05		10.5		10.5	1.2	9.3
FARRELL 034-16W4								
LOWER MANNVILLE A	104.0	<0.01		0.1		0.1	0.1	
FARROW 020-24W4								
BOW ISLAND A	95.6	0.05		4.8		4.8	0.7	4.1
BASAL QUARTZ B	503.0	0.10		50.3		50.3	9.7	40.6
FENN WEST 036-20W4								
BANFF A	11.8	<0.17		1.9		1.9	1.9	
D-2 A	2 600.0	0.60		1 560.0		1 560.0	1 379.0	181.0
D-2 B	154.0	<0.03		3.1		3.1	3.1	
D-2 C	690.0	0.15		104.0		104.0	45.6	58.4
D-2 D	397.0	0.30		119.0		119.0	31.0	88.0
D-2 E	400.0	0.40		160.0		160.0	57.6	102.4
D-3 A	559.0	0.10		55.9		55.9	39.4	16.5
D-3 B	154.0	0.05		7.7		7.7	4.6	3.1
D-3 C	375.0	0.40		150.0		150.0	109.6	40.4
D-3 D	79.7	<0.01		0.1		0.1	0.1	
D-3 E	1 480.0	0.45		666.0		666.0	386.1	279.9
D-3 F	549.0	0.25		137.0		137.0	17.4	119.6
D-3 G	987.0	0.25		247.0		247.0	14.4	232.6
FENN-BIG VALLEY 035-20W4								
VIKING D	185.0	<0.01		0.6		0.6	0.6	
BLAIRMORE B	357.0	<0.01		2.3		2.3	2.3	
UPPER MANNVILLE A	168.0	0.10		16.8		16.8	3.7	13.1
D-2 A TOTAL	80 000.0			48 000.0	302.0	48 300.0	47 524.6	775.4
PRIMARY AREA	74 200.0	<0.62		45 290.0		45 290.0		
SOLVENT FLOOD AREA	5 800.0	<0.47	0.05	2 714.0	302.0	3 016.0		
D-2 B	99.5	<0.02		1.1		1.1	1.1	
BIG VALLEY D-3 A	642.0	0.75		482.0		482.0	427.5	54.5
BIG VALLEY D-3 B	261.0	0.45		117.0		117.0	91.6	25.4
FENN D-3 C	110.0	0.40		44.0		44.0	29.4	14.6
FENN D-3 E	329.0	0.17		55.9		55.9	47.9	8.0
FENN D-3 F	3 000.0	0.75		2 250.0		2 250.0	2 032.2	217.8
D-3 G	260.0	0.20		52.0		52.0	15.2	36.8
D-3 H	47.7	0.25		11.9		11.9	0.7	11.2
FERRIER 040-08W5								
BELLY RIVER A	4 900.0	<0.17		800.0		800.0	363.7	436.3

9 AREA	10 AVERAGE PAY THICKNESS	11 POROSITY	12 WATER SATN	13 SHRINKAGE	14 INITIAL SOLUTION GOR	15 DENSITY	16 TEMP	17 INITIAL PRESSURE	18 MEAN FORMATION DEPTH	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
64	2.00	0.210	0.45	0.90	34	845	43	16 720	1 609.0	1982	88 12
16	4.00	0.175	0.25	0.90	34	845	43	16 704	1 608.1	1982	88 12
64	3.00	0.160	0.45	0.90	34	845	43	16 940	1 608.3	1982	88 12
25	2.00	0.150	0.48	0.90	64	844	43	16 430	1 612.8	1983	85 05
379	2.56	0.067	0.16	0.82	66	855	66	12 480	1 637.7	1960	75 12 - GPP
673	4.80	0.070	0.17	0.80	66	876	66	12 550	2 292.7	1953	79 02
64	5.90	0.080	0.50	0.80	66	876	66	12 605	1 636.1	1981	87 12 - SUSP 86 11
64	5.20	0.100	0.10	0.82	65	873	64	11 843	1 631.6	1986	87 05
322	4.18	0.057	0.18	0.82	69	870	60	13 100	1 670.0	1953	79 12 - GPP
32	18.50	0.070	0.26	0.82	71	844	58	12 453	1 668.9	1980	84 10
797	2.13	0.204	0.35	0.80	30	876	38	6 900	1 072.3	1953	84 12 - SUSP 80 03
64	9.80	0.090	0.43	0.85	60	850	35	7 400	1 142.4	1986	86 12
565	25.14	0.064	0.15	0.88	39	844	48	8 650	1 182.3	1949	87 02 - GPP
100	1.83	0.200	0.20	0.80	43	860	38	6 170	836.4	1953	84 12 - SUSP 86 11
64	0.90	0.200	0.60	0.80	43	860	38	5 500	843.0	1961	85 09
32	5.80	0.240	0.30	0.92	40	909	38	6 605	1 049.6	1951	84 04
112	7.94	0.220	0.25	0.91	35	887	42	7 250	1 066.2	1965	81 12 - GPP
32	6.00	0.260	0.22	0.90	40	900	32	7 221	1 066.8	1976	85 07 - SUSP 85 09
306	5.18	0.083	0.15	0.92	27	870	42	7 760	1 093.6	1949	64 04 - ABAND 62 01
214	7.19	0.057	0.17	0.92	27	870	41	8 170	1 148.2	1954	68 02 - GPP
405	13.75	0.063	0.15	0.93	33	898	47	9 100	1 226.5	1953	85 05
16	13.70	0.110	0.10	0.97	20	990	38	9 087	1 198.7	1987	88 06
64	2.40	0.130	0.40	0.87	42	890	70	8 726	1 220.8	1976	82 09 - SUSP 80 12
64	3.00	0.120	0.50	0.83	62	854	43	7 848	1 437.2	1987	88 01
320	1.76	0.168	0.36	0.83	60	867	59	13 734	1 754.7	1987	88 08
5	7.93	0.070	0.50	0.85	71	855	44	7 660	1 422.2	1977	79 10 - ABAND 81 02
1 202	6.40	0.056	0.24	0.80	81	860	61	12 410	1 699.9	1961	84 11
64	5.00	0.090	0.35	0.82	20	866	33	11 901	1 633.5	1980	80 09 - ABAND 82 06
128	12.19	0.070	0.22	0.81	73	846	62	12 300	1 725.2	1982	86 12
64	14.10	0.067	0.20	0.82	70	847	63	12 435	1 743.4	1982	83 04
84	12.40	0.058	0.22	0.84	73	865	62	12 483	1 730.6	1983	84 08
64	15.50	0.080	0.20	0.88	35	849	55	12 891	1 783.2	1982	86 12
64	7.26	0.048	0.15	0.81	89	858	58	12 620	1 754.6	1982	86 12
14	40.20	0.091	0.10	0.80	67	860	61	13 094	1 820.6	1982	85 03 - SUSP 87 01
64	5.00	0.040	0.25	0.83	67	893	60	10 052	1 804.8	1982	83 03 - SUSP 82 12
56	55.13	0.069	0.14	0.81	76	848	65	13 111	1 794.7	1983	87 01
64	21.60	0.062	0.21	0.81	76	861	67	12 895	1 801.8	1984	85 04
64	24.00	0.103	0.23	0.81	75	860	65	12 512	1 793.7	1985	85 11
64	3.50	0.170	0.40	0.81	70	857	60	6 405	1 195.6	1954	82 11 - SUSP 84 09
64	5.10	0.200	0.25	0.73	90	846	47	8 906	1 292.6	1952	84 12 - SUSP 85 04
64	2.00	0.230	0.32	0.84	53	890	39	7 995	1 200.0	1984	86 05
5 994					77	865	58	12 480	1 612.1	1950	88 09
4 971	17.12	0.120	0.10	0.81							
1 023	9.46	0.082	0.14	0.81							
64	4.63	0.060	0.30	0.80	78	855	52	12 920	1 628.7	1976	78 04 - SUSP 81 02
369	4.42	0.060	0.20	0.82	76	849	58	12 820	1 637.7	1950	86 12 - GPP
119	3.81	0.085	0.15	0.80	80	876	59	12 510	1 644.1	1954	65 02 - GPP
101	2.44	0.067	0.18	0.81	73	892	60	12 410	1 645.3	1952	87 05
182	3.05	0.085	0.15	0.82	73	865	58	12 760	1 620.3	1953	81 12 - GPP
626	6.64	0.100	0.12	0.82	73	898	61	12 690	1 651.7	1954	84 11 - GPP
128	3.40	0.090	0.17	0.80	73	904	41	12 560	1 584.7	1952	88 09 - GPP
16	3.10	0.120	0.12	0.91	38	960	57	11 725	1 646.5	1983	83 09
1 777	4.60	0.120	0.40	0.83	62	820	59	9 476	1 713.3	1966	88 07

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
FERRIER 040-08W5 (CONTINUED)								
BELLY RIVER C	358.0	0.10		35.8		35.8	18.5	17.3
BELLY RIVER E	937.0	<0.01		0.5		0.5	0.5	
BELLY RIVER F	95.6	<0.01		0.7		0.7	0.7	
BELLY RIVER H	36.6	0.10		3.7		3.7	0.2	3.5
CARDIUM C	64.5	0.10		6.5		6.5	6.0	0.5
CARDIUM D TOTAL	18 900.0			942.0	2 200.0	3 142.0	1 896.0	1 246.0
PRIMARY AREA	1 240.0	0.05		62.0		62.0		
WATER FLOOD AREA	17 700.0	0.05	0.12	880.0	2 200.0	3 080.0		
CARDIUM E TOTAL	31 300.0			2 480.0	2 440.0	4 920.0	2 751.2	2 168.8
PRIMARY AREA	857.0	0.05		43.0		43.0		
WATER FLOOD AREA	30 400.0	0.08	0.08	2 440.0	2 440.0	4 880.0		
CARDIUM F	94.7	0.10		9.5		9.5	0.7	8.8
CARDIUM R	40.6	<0.05		1.8		1.8	1.8	
CARDIUM U	182.0	0.10		18.2		18.2	5.1	13.1
CARDIUM X	185.0	<0.01		0.4		0.4	0.4	
CARDIUM BB	140.0	<0.01		0.2		0.2	0.2	
CARDIUM GG	126.0	<0.01		0.1		0.1	0.1	
CARDIUM G&L TOTAL	23 200.0			1 158.0	2 500.0	3 658.0	1 491.9	2 166.1
PRIMARY AREA	4 550.0	0.05		228.0		228.0		
WATER FLOOD AREA	18 600.0	0.05	0.14	930.0	2 500.0	3 430.0		
CARDIUM BN & VIKING A	2 880.0	0.15		432.0		432.0	316.9	115.1
VIKING C	76.8	0.15		11.5		11.5	9.5	2.0
VIKING D	65.9	0.15		9.9		9.9	4.6	5.3
VIKING E	61.3	0.10		6.1		6.1	3.0	3.1
VIKING F	60.0	0.15		9.0		9.0	7.2	1.8
ELLERSLIE C	311.0	0.10		31.1		31.1	8.3	22.8
ROCK CREEK B	107.0	<0.01		0.2		0.2	0.2	
SHUNDA A	132.0	<0.01		0.4		0.4	0.4	
FERRYBANK 044-27W4								
BELLY RIVER C,G & H	18 990.0	0.10		1 899.0		1 899.0	230.7	1 668.3
GLAUCONITIC C	396.0	<0.01		0.5		0.5	0.5	
LOWER MANNVILLE G	226.0	<0.02		4.2		4.2	4.2	
LOWER MANNVILLE I	155.1	0.05		7.8		7.8	3.8	4.0
LOWER MANNVILLE M	326.0	<0.01		1.4		1.4	1.4	
BANFF C	285.0	<0.01		0.5		0.5	0.5	
BANFF D	183.0	0.10		18.3		18.3	2.9	15.4
FIR 059-21W5								
CARDIUM A	135.0	0.10		13.5		13.5	5.7	7.8
CARDIUM B	94.6	0.10		9.5		9.5	2.4	7.1
FIRE 113-07W6								
KEG RIVER A	256.0	<0.05		11.7		11.7	11.7	
KEG RIVER B	136.0	<0.01		0.3		0.3	0.3	
KEG RIVER C	227.0	0.20		45.4		45.4	20.7	24.7
KEG RIVER D	150.0	0.25		37.5		37.5	1.5	36.0
KEG RIVER E	1 414.0	0.25		354.0		354.0	12.2	341.8
KEG RIVER F	185.0	0.25		46.3		46.3	6.0	40.3
KEG RIVER G	120.0	0.25		30.0		30.0	2.3	27.7
FOURTH 082-09W6								
HALFWAY A	712.0	0.15		107.0		107.0	7.5	99.5
FOX CREEK 062-18W5								
GETHING B	1 830.0	0.05		91.5		91.5	25.7	65.8
GETHING D & H	516.0	0.10		51.6		51.6	6.0	45.6
BEAVERHILL LAKE A TOTAL	1 700.0			255.1	321.0	576.1	339.8	236.3
PRIMARY AREA	95.2	0.15		14.3		14.3		
WATER FLOOD AREA	1 605.0	0.15	0.20	240.8	321.0	561.8		
BEAVERHILL LAKE B	42.5	0.20		8.5		8.5	0.8	7.7
GALAHAD 041-15W4								
ELLERSLIE A	112.0	0.10		11.2		11.2	2.1	9.1
CAMROSE A	127.0	0.15		19.1		19.1	14.2	4.9
GARRINGTON 034-04W5								
CARDIUM F	141.0	<0.01		0.1		0.1	0.1	
CARDIUM G	114.0	<0.01		1.0		1.0	1.0	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	7.32	0.130	0.30	0.83	66	829	54	8 430	1 627.0	1974	76 01 - SUSP 86 10
64	12.00	0.210	0.30	0.83	70	898	50	9 866	1 715.5	1980	84 12 - ABAND 82 07
64	3.00	0.120	0.50	0.83	54	830	57	8 965	1 615.8	1982	83 04 - SUSP 85 08
64	1.13	0.111	0.45	0.83	61	834	55	9 300	1 703.2	1984	85 10 - SUSP 87 03
64	1.40	0.120	0.20	0.75	166	806	71	23 170	2 184.5	1961	82 12 - GPP
6 912					169	825	77	21 510	2 093.4	1963	86 07 - GPP
512	3.21	0.130	0.12	0.66							
6 400	3.15	0.151	0.12	0.66							
6 285					198	811	54	21 750	2 135.4	1965	85 08 - GPP
448	2.45	0.148	0.12	0.60							
5 837	6.66	0.148	0.12	0.60							
65	1.52	0.140	0.12	0.78	133	834	52	21 130	2 008.6	1958	88 07 - GPP
64	1.50	0.080	0.20	0.66	209	817	74	23 240	2 318.0	1976	83 12 - SUSP 80 08
64	5.52	0.096	0.20	0.67	218	824	71	24 764	2 283.4	1976	81 02 - GPP
64	4.40	0.123	0.15	0.63	175		75	21 239	2 204.6	1980	83 12 - SUSP 81 11
64	2.95	0.140	0.20	0.66	150	813	70	20 153	2 303.7	1976	82 05 - SUSP 82 06
64	2.40	0.140	0.15	0.69	180	806	70	21 760	2 199.0	1980	84 10 - SUSP 84 08
10 008					190	806	70	21 600	2 180.3	1966	87 12 - GPP
2 029	3.35	0.125	0.15	0.63							
7 979	3.30	0.132	0.15	0.63							
6 066	1.50	0.078	0.30	0.58	273	811	78	28 750	2 499.1	1955	84 12 - GPP
64	2.50	0.100	0.20	0.60	190		73	26 204	2 461.8	1979	83 12
64	3.00	0.075	0.25	0.61	217	823	81	26 080	2 377.9	1982	85 12
64	2.00	0.090	0.25	0.71	134	836	93	25 610	2 502.0	1979	84 10 - SUSP 87 02
125	1.00	0.090	0.25	0.71	140	815	84	28 100	2 483.7	1985	87 05 - GPP
64	7.15	0.130	0.13	0.60	190	797	84	23 806	2 667.5	1979	86 09
64	3.50	0.085	0.24	0.74	120	828	70	19 000	2 563.9	1982	83 04 - SUSP 83 05
65	5.18	0.083	0.25	0.63	195	815	81	22 510	2 602.7	1965	67 04 - ABAND 67 11
5 239	4.46	0.190	0.53	0.91	28	850	38	5 736	976.3	1985	88 08
64	5.30	0.180	0.19	0.80	88	860	30	13 100	1 734.9	1985	85 11 - SUSP 85 10
64	4.00	0.160	0.31	0.80	82	860	60	10 430	1 705.0	1979	79 10 - SUSP 82 07
53	2.50	0.190	0.23	0.80	76	894	57	12 454	1 682.0	1982	86 07 - GPP
128	4.24	0.120	0.35	0.77	95	820	66	13 604	1 741.8	1984	85 10 - SUSP 85 08
32	11.40	0.150	0.35	0.80	45	905	55	8 421	1 725.0	1985	88 12 - SUSP 85 11
64	6.31	0.090	0.37	0.80	55	905	64	11 005	1 757.1	1985	85 11 - SUSP 86 02
64	3.70	0.100	0.25	0.76	107	850	56	20 602	1 854.7	1977	81 02
64	2.60	0.110	0.32	0.76	105	836	60	20 799	1 895.3	1980	86 01
22	61.70	0.035	0.30	0.77	95	844	77	15 540	1 546.9	1969	88 12 - SUSP 86 03
20	36.58	0.034	0.30	0.77	95	849	77	15 420	1 539.5	1970	71 12 - ABAND 71 10
17	53.16	0.040	0.20	0.77	95	844	77	15 090	1 533.8	1969	82 12 - GPP
20	48.34	0.031	0.35	0.77	86	875	68	15 163	1 524.3	1986	86 08
64	83.90	0.045	0.24	0.77	95	857	77	15 495	1 600.5	1987	87 05
41	43.94	0.020	0.35	0.79	74	844	74	7 872	1 534.0	1986	88 03
22	29.90	0.034	0.27	0.73	115	851	67	15 230	1 518.2	1970	87 05
256	4.67	0.108	0.31	0.80	79	844	50	11 716	1 298.0	1979	86 04
563	4.53	0.140	0.39	0.84	64	882	59	14 642	1 921.2	1977	88 07
128	5.20	0.170	0.43	0.80	76	893	61	14 774	1 901.5	1978	88 07 - GPP
1 200					530		110	28 730	3 086.7	1975	87 02
64	3.10	0.150	0.20	0.40							
136	5.38	0.082	0.20	0.40							
64	4.11	0.056	0.24	0.38	508	801	110	28 893	3 089.6	1976	87 01
16	4.30	0.240	0.20	0.85	60	887	40	7 300	1 055.2	1983	83 04 - SUSP 86 12
32	5.90	0.120	0.30	0.80	80	929	51	8 665	1 173.5	1983	84 06
64	2.70	0.120	0.15	0.80	68	820	75	20 200	1 852.9	1981	82 05 - ABAND 82 03
64	3.00	0.100	0.25	0.79	90	820	60	20 300	1 846.9	1981	82 06 - ABAND 84 05

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GARRINGTON 034-04W5 (CONTINUED)								
CARDIUM H	23.8	<0.02		0.3		0.3	0.3	
CARDIUM I	197.0	0.10		19.7		19.7	6.0	13.7
CARDIUM L	95.7	0.10		9.6		9.6	1.7	7.9
CARDIUM M	1 388.0	0.10		139.0		139.0	53.0	86.0
CARDIUM N	300.0	0.15		45.0		45.0	19.3	25.7
CARDIUM O	266.0	0.10		26.6		26.6	1.6	25.0
CARDIUM P	272.0	0.10		27.2		27.2	0.7	26.5
CARDIUM Q	100.0	0.20		20.0		20.0	16.8	3.2
CARDIUM R	43.2	0.10		4.3		4.3	0.1	4.2
CARDIUM T	117.0	0.05		5.9		5.9	0.4	5.5
CARDIUM A&B TOTAL	31 600.0			1 580.0	1 650.0	3 230.0	2 871.6	358.4
PRIMARY AREA	11 400.0	0.05		570.0		570.0		
WATER FLOOD AREA	20 200.0	0.05	0.08	1 010.0	1 650.0	2 660.0		
SECOND WHITE SPECKS A	87.5	0.10		8.8		8.8	2.1	6.7
SECOND WHITE SPECKS B	163.0	0.15		24.5		24.5	11.2	13.3
SECOND WHITE SPECKS C	425.0	<0.01		1.3		1.3	1.3	
SECOND WHITE SPECKS D	94.2	0.10		9.4		9.4	0.1	9.3
SECOND WHITE SPECKS E	139.0	0.10		13.9		13.9	2.2	11.7
SECOND WHITE SPECKS F	81.9	0.10		8.2		8.2	2.6	5.6
SECOND WHITE SPECKS G	316.0	0.10		31.6		31.6	8.5	23.1
SECOND WHITE SPECKS H	115.0	0.10		11.5		11.5	0.7	10.8
VIKING A	13 000.0	0.10		1 300.0		1 300.0	602.8	697.2
VIKING C	132.0	0.10		13.2		13.2	2.7	10.5
VIKING F	302.0	0.10		30.2		30.2	24.5	5.7
VIKING G	183.0	0.05		9.2		9.2	2.1	7.1
VIKING J	72.4	0.20		14.5		14.5	6.6	7.9
VIKING K	194.0	0.20		38.8		38.8	17.4	21.4
VIKING L	197.0	0.03		5.9		5.9	3.6	2.3
VIKING N	331.0	0.10		33.1		33.1	9.9	23.2
VIKING Q	734.0	0.10		73.4		73.4	46.6	26.8
VIKING S	58.1	<0.01		0.5		0.5	0.5	
MANNVILLE B	9 720.0	<0.08		720.0		720.0	666.0	54.0
MANNVILLE D	3 400.0	0.07		240.0		240.0	191.0	49.0
MANNVILLE I	620.0	0.20		124.0		124.0	59.1	64.9
MANNVILLE L	15.3	0.10		1.6		1.6	0.7	0.9
MANNVILLE M	212.0	0.05		10.6		10.6	3.1	7.5
MANNVILLE N	63.9	0.10		6.4		6.4	0.1	6.3
LOWER MANNVILLE A	83.0	<0.02		1.4		1.4	1.4	
LOWER MANNVILLE B	37.8	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE D	83.6	<0.05		4.0		4.0	4.0	
LOWER MANNVILLE E	403.0	0.03		12.1		12.1	3.3	8.8
LOWER MANNVILLE I	257.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE J	130.0	0.10		13.0		13.0	5.4	7.6
LOWER MANNVILLE P	63.0	0.10		6.3		6.3	3.0	3.3
LOWER MANNVILLE S	163.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE T	160.0	0.10		16.0		16.0	0.9	15.1
LOWER MANNVILLE U	69.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE Y	128.0	<0.02		2.1		2.1	2.1	
LOWER MANNVILLE Z	446.0	<0.01		3.7		3.7	3.7	
LOWER MANNVILLE KK	105.0	0.10		10.5		10.5	1.6	8.9
LOWER MANNVILLE MM	17.0	0.10		1.7		1.7	0.1	1.6
LOWER MANNVILLE NN	28.7	0.05		1.4		1.4	0.4	1.0
LOWER MANNVILLE OO	47.8	0.05		2.4		2.4	0.2	2.2
LOWER MANNVILLE PP	71.7	0.05		3.6		3.6	0.2	3.4
LOWER MANNVILLE UU	149.0	0.05		7.5		7.5	0.2	7.3
LOWER MANNVILLE VV	149.0	0.05		7.5		7.5	0.3	7.2
LOWER MANNVILLE WW	83.3	0.05		4.2		4.2	0.4	3.8
LOWER MANNVILLE XX	42.9	0.05		2.2		2.2	0.4	1.8
LOWER MANNVILLE N & O	450.0	0.10		45.0		45.0	29.8	15.2
LOWER MANNVILLE CC, DD & EE	240.0	0.10		24.0		24.0	4.0	20.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	0.56	0.060	0.30	0.79	85	828	60	11 000	1 837.4	1982	83 03 - ABAND 84 05
128	2.83	0.080	0.15	0.80	89	823	59	23 123	1 863.5	1982	84 09
64	2.00	0.110	0.15	0.80	89	822	59	23 183	1 832.3	1983	84 10
1 444	1.68	0.110	0.35	0.80	48	843	67	15 616	1 880.0	1960	88 12
350	1.16	0.120	0.23	0.80	96	843	68	22 238	1 885.5	1976	88 12
128	3.10	0.100	0.15	0.79	88	819	60	20 131	1 945.8	1984	85 05
128	4.30	0.120	0.45	0.75	96	845	68	14 658	2 027.0	1985	86 02
104	1.46	0.104	0.13	0.76	108	840	64	24 038	2 185.0	1963	88 12 - GPP
64	1.20	0.100	0.25	0.75	106	825	63	22 390	1 908.4	1983	86 05
64	2.60	0.110	0.20	0.80	85	817	59	18 690	1 810.5	1980	88 06
15 434					109	829	64	24 550	2 022.0	1954	84 06
5 521	3.24	0.100	0.15	0.75							
9 913	3.20	0.100	0.15	0.75							- GPP
64	3.20	0.090	0.35	0.73	115	823	64	17 307	2 314.1	1981	83 02 - SUSP 87 09
64	8.70	0.050	0.20	0.73	110	815	70	24 698	2 202.7	1984	88 12
64	13.00	0.100	0.30	0.73	110	819	67	23 031	2 105.5	1984	88 06 - ABAND 88 03
64	8.40	0.030	0.20	0.73	115	815	53	23 816	2 137.4	1985	86 03 - SUSP 87 01
64	8.50	0.050	0.20	0.64	177	823	84	23 292	2 301.8	1985	86 10
64	5.00	0.050	0.20	0.64	177	816	84	20 650	2 234.3	1984	86 12
64	6.50	0.130	0.20	0.73	120	789	73	25 434	2 264.3	1984	84 08
64	7.00	0.050	0.20	0.64	177	791	84	20 438	2 229.3	1987	88 09
3 264	7.44	0.100	0.37	0.85	57	841	64	9 336	2 095.5	1978	85 01
64	3.60	0.105	0.35	0.84	51	841	71	10 052	2 382.2	1982	83 04
65	6.71	0.120	0.30	0.83	128	820	53	8 960	2 002.6	1963	73 12 - GPP
64	4.80	0.100	0.29	0.84	51	842	71	7 895	2 117.0	1983	83 07 - SUSP 86 11
116	1.87	0.053	0.25	0.84	51	842	71	8 937	2 081.6	1983	87 12
128	2.95	0.090	0.32	0.84	51	840	71	17 241	2 262.6	1979	88 07
64	7.35	0.087	0.35	0.74	110	832	71	8 117	2 001.2	1981	86 12
128	4.00	0.110	0.30	0.84	68	835	75	17 780	2 352.5	1984	88 06
384	4.81	0.080	0.32	0.73	110	842	77	21 000	2 501.5	1984	88 07
64	1.50	0.120	0.40	0.84	68	835	75	17 988	2 389.0	1985	86 10 - ABAND 87 10
5 433	4.11	0.128	0.15	0.40	385	797	68	32 000	2 405.8	1963	88 12 - GPP
2 560	2.51	0.106	0.22	0.64	85	874	60	27 421	2 560.8	1975	87 05
161	4.58	0.160	0.18	0.64	181	864	81	29 203	2 614.0	1982	86 12
64	0.40	0.110	0.14	0.64	250	821	97	27 450	2 564.4	1984	85 10
128	3.10	0.110	0.24	0.64	181	874	81	27 025	2 516.6	1984	88 12
64	3.23	0.069	0.30	0.64	181	863	81	24 063	2 609.5	1984	86 07 - SUSP 87 02
65	2.74	0.110	0.15	0.50	301	829	64	23 080	2 512.5	1974	75 11 - ABAND 75 06
65	1.83	0.080	0.20	0.50	301	825	64	28 440	2 464.3	1975	76 02 - ABAND 75 06
64	2.16	0.090	0.16	0.80	106	839	71	28 820	2 442.0	1977	84 07 - ABAND 83 12
64	10.00	0.120	0.30	0.75	96	845	86	25 806	2 639.0	1979	82 12 - GPP
64	6.50	0.110	0.25	0.75	110	855	63	21 495	2 553.1	1981	84 12 - ABAND 82 10
64	1.50	0.200	0.10	0.75	100	821	83	24 775	2 642.9	1982	87 12 - GPP
64	1.25	0.140	0.25	0.75	120	841	64	18 824	2 440.8	1982	83 01
64	3.90	0.120	0.20	0.68	152	843	82	28 030	2 386.1	1982	83 04 - SUSP 83 11
64	3.50	0.130	0.19	0.68	152	843	82	27 038	2 596.8	1982	83 07
64	2.50	0.080	0.20	0.68	152	843	82	26 376	2 553.8	1983	84 07 - ABAND 83 11
64	3.30	0.095	0.15	0.75	152	841	82	25 911	2 716.8	1984	88 12 - SUSP 86 10
64	10.20	0.120	0.21	0.72	152	841	82	23 078	2 712.9	1984	88 12 - ABAND 88 08
64	2.80	0.100	0.25	0.78	113	871	84	15 279	2 561.5	1980	81 03
64	0.89	0.073	0.40	0.68	152	843	82	20 520	2 524.1	1975	86 07
64	0.60	0.120	0.17	0.75	191	807	88	30 920	2 361.9	1974	87 01 - GPP
64	1.00	0.120	0.17	0.75	191	807	88	27 949	2 375.7	1974	87 01 - GPP
64	1.50	0.120	0.17	0.75	191	807	88	28 045	2 388.0	1974	87 01 - GPP
128	1.81	0.110	0.22	0.75	152	829	82	25 721	2 496.3	1974	88 06 - GPP
128	1.54	0.110	0.13	0.79	152	829	82	25 893	2 511.6	1974	88 06 - GPP
128	1.39	0.080	0.22	0.75	152	829	82	25 991	2 528.5	1974	88 06 - GPP
64	1.30	0.080	0.14	0.75	152	829	82	26 253	2 565.9	1974	87 04 - GPP
430	1.34	0.126	0.17	0.75	158	845	82	28 094	2 562.8	1981	85 07
64	4.97	0.120	0.20	0.80	152	843	82	26 195	2 582.1	1984	88 07

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GARRINGTON 034-04W5 (CONTINUED)								
LOWER MANNVILLE GG. HH & II	439.0	0.10		43.9		43.9	8.7	35.2
LOWER MANNVILLE Q & CCC	590.0	0.05		29.5		29.5	9.1	20.4
LOWER MANNVILLE AAA	47.3	0.05		2.4		2.4	0.4	2.0
LOWER MANNVILLE BBB	104.0	0.05		5.2		5.2	0.4	4.8
LOWER MANNVILLE DDD	36.2	0.10		3.6		3.6		3.6
LOWER MANNVILLE EEE	59.5	0.10		6.0		6.0		6.0
LOWER MANNVILLE FFF	100.0	0.10		10.0		10.0		10.0
ROCK CREEK B	218.0	0.10		21.8		21.8	1.3	20.5
ELKTON-SHUNDA A	52.5	<0.02		0.7		0.7	0.7	
WABAMUN A	6 470.0	0.20		1 290.0		1 290.0	1 142.7	147.3
NISKU A	211.0	0.15		31.6		31.6	0.9	30.7
LEDUC D	380.0	0.35		133.0		133.0	8.7	124.3
GENESEE 050-03W5								
ELLERSLIE A	26.6	<0.01		0.1		0.1		0.1
ELLERSLIE B	86.3	0.10		8.6		8.6	7.8	0.8
GEORGE 082-05W6								
DEBOLT B	126.0	0.01		1.3		1.3	1.3	
GHOST PINE 031-22W4								
UPPER MANNVILLE V	1 010.0	<0.02		16.0		16.0	16.0	
UPPER MANNVILLE W	200.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE HH	281.0	0.07		19.7		19.7	16.7	3.0
UPPER MANNVILLE LL	132.0	0.05		6.6		6.6	5.3	1.3
UPPER MANNVILLE NN	116.0	<0.01		0.6		0.6	0.6	
UPPER MANNVILLE RR	264.0	0.10		26.4		26.4	4.9	21.5
UPPER MANNVILLE WW	50.4	0.10		5.0		5.0	1.9	3.1
UPPER MANNVILLE YY	413.0	0.10		41.3		41.3	5.6	35.7
UPPER MANNVILLE C,G,H,P & U	202.0	0.04		8.1		8.1	3.3	4.8
UPPER MANN Q,Y & FF	249.0	0.10		24.9		24.9	14.7	10.2
UPPER MANNVILLE EEE	203.0	0.10		20.3		20.3	9.2	11.1
UPPER MANNVILLE FFF	163.0	0.15		24.5		24.5	3.7	20.8
UPPER MANNVILLE HHH	64.6	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE KKK	200.0	0.10		20.0		20.0	1.9	18.1
UPPER MANNVILLE LLL	1 190.0	0.10		119.0		119.0	30.2	88.8
UPPER MANNVILLE QQQ	136.0	0.10		13.6		13.6	1.1	12.5
UPPER MANNVILLE E2E	129.0	0.10		12.9		12.9	1.7	11.2
LOWER MANNVILLE B	424.0	0.08		33.9		33.9	23.7	10.2
LOWER MANNVILLE E	115.0	0.15		17.3		17.3	14.8	2.5
LOWER MANNVILLE J	159.0	0.10		15.9		15.9	7.9	8.0
LOWER MANNVILLE K	110.0	<0.06		6.2		6.2	5.9	0.3
LOWER MANNVILLE L	1 067.0	0.15		160.0		160.0	92.6	67.4
LOWER MANNVILLE N	88.7	0.15		13.3		13.3	5.0	8.3
LOWER MANNVILLE Q	198.0	0.10		19.8		19.8	1.4	18.4
LOWER MANNVILLE U	32.6	0.15		4.9		4.9	0.8	4.1
LOWER MANNVILLE V	73.0	0.10		7.3		7.3	0.4	6.9
LOWER MANNVILLE A & H	362.0	0.08		29.0		29.0	24.4	4.6
PEKISKO F	110.0	0.12		13.2		13.2	10.8	2.4
PEKISKO K	305.0	<0.02		3.5		3.5	3.5	
PEKISKO N	202.0	0.10		20.2		20.2	4.4	15.8
PEKISKO P	77.4	0.10		7.7		7.7	2.4	5.3
GIFT 079-11W5								
SLAVE POINT A TOTAL	8 300.0			830.0	959.0	1 789.0	386.7	1 402.3
PRIMARY AREA	4 486.0	0.10		449.0		449.0		
WATER FLOOD AREA	3 814.0	0.10	0.25	381.0	959.0	1 340.0		
SLAVE POINT C	2 220.0	0.10		222.0		222.0	41.1	180.9
SLAVE POINT D	181.0	0.05		9.1		9.1	2.9	6.2
SLAVE POINT E	469.0	0.05		23.5		23.5	5.3	18.2
SLAVE POINT G	160.0	0.05		8.0		8.0	2.1	5.9
SLAVE POINT H	118.0	0.05		5.9		5.9	2.3	3.6
SLAVE POINT I	292.0	<0.01		0.1		0.1	0.1	
GILWOOD A	134.0	<0.03		3.4		3.4	3.4	
GILWOOD D	276.0	0.15		41.4		41.4	16.8	24.6
GILWOOD E	954.0	0.25		239.0		239.0	67.5	171.5
GILWOOD G	476.0	0.25		119.0		119.0	26.8	92.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	5.23	0.120	0.22	0.70	145	812	85	30 950	2 565.9	1985	87 08
256	3.04	0.120	0.21	0.80	152	843	82	28 269	2 618.1	1982	88 08
64	1.50	0.090	0.27	0.75	92	812	79	25 524	2 461.1	1973	87 12 - GPP
64	2.40	0.110	0.18	0.75	92	812	79	25 420	2 448.8	1973	87 12 - GPP
64	1.20	0.090	0.23	0.68	152	842	36	29 382	2 511.0	1973	88 07 - GPP
64	1.80	0.100	0.24	0.68	152	842	36	26 054	2 501.2	1973	88 07 - GPP
64	2.80	0.110	0.25	0.68	152	842	36	25 801	2 470.1	1973	88 07 - GPP
64	5.40	0.140	0.40	0.75	98	853	70	12 352	2 602.5	1987	87 09
64	2.00	0.072	0.15	0.67	140	845	82	19 218	2 402.0	1979	83 12 - SUSP 81 01
2 912	10.61	0.055	0.32	0.56	271	834	84	24 730	2 742.0	1965	84 12 - GPP
64	8.62	0.060	0.15	0.75	95	810	85	24 530	2 903.1	1986	87 08
64	18.10	0.069	0.15	0.56	255	805	93	19 434	3 007.0	1985	87 03
64	0.80	0.100	0.35	0.80	85	850	45	16 673	1 538.1	1983	88 12 - SUSP 84 07
64	2.40	0.120	0.35	0.72	135	901	55	16 495	1 563.4	1981	81 08
64	4.00	0.090	0.30	0.78	99	829	52	15 670	1 524.5	1976	83 12 - SUSP 81 10
227	3.94	0.210	0.37	0.85	67	855	58	10 420	1 481.9	1966	79 03 - SUSP 74 08
65	3.29	0.146	0.25	0.86	61	870	41	10 250	1 396.9	1966	66 05 - SUSP 66 09
64	6.40	0.140	0.40	0.81	80	876	53	10 510	1 498.4	1967	82 12 - GPP
64	2.14	0.186	0.39	0.85	55	820	66	10 000	1 372.8	1973	75 12
64	1.83	0.170	0.32	0.85	64	855	43	10 270	1 390.8	1974	79 06 - ABAND 88 06
64	3.55	0.182	0.25	0.85	58	874	58	9 277	1 488.8	1980	81 06
64	0.90	0.180	0.40	0.81	66	851	40	9 900	1 359.3	1982	84 03
128	5.02	0.120	0.33	0.80	76	862	57	10 283	1 501.0	1983	88 03 - GPP
129	1.43	0.176	0.27	0.85	71	865	49	10 490	1 410.9	1966	87 12 - GPP
65	3.96	0.200	0.40	0.81	80	876	53	10 410	1 507.5	1967	68 12 - GPP
64	3.60	0.150	0.31	0.85	58	875	58	10 312	1 502.8	1985	86 03
64	3.20	0.140	0.37	0.90	58	873	45	10 280	1 484.0	1985	86 03 - SUSP 87 06
64	1.20	0.150	0.34	0.85	50	858	62	10 348	1 546.6	1980	88 12 - SUSP 86 09
64	2.70	0.180	0.24	0.85	60	869	45	10 250	1 460.7	1985	86 12 - SUSP 87 06
256	3.46	0.200	0.21	0.85	56	873	50	9 357	1 497.6	1986	88 10
64	3.00	0.130	0.35	0.84	60	870	48	6 818	1 370.6	1985	87 03
64	2.50	0.130	0.27	0.85	56	873	50	9 784	1 497.5	1985	88 10
64	5.86	0.190	0.30	0.85	58	892	48	10 670	1 443.5	1959	86 12 - GPP
65	1.52	0.180	0.25	0.86	51	892	49	10 290	1 487.4	1966	87 12 - GPP
128	1.72	0.130	0.34	0.84	62	876	56	10 980	1 572.9	1977	79 06
64	1.98	0.150	0.32	0.85	62	881	49	11 030	1 570.3	1977	87 01 - GPP
128	6.10	0.200	0.20	0.85	70	861	60	10 250	1 491.4	1971	87 11
64	3.30	0.100	0.50	0.84	60	861	61	10 245	1 509.2	1981	81 08 - GPP
64	3.20	0.170	0.33	0.85	56	873	50	8 341	1 502.6	1985	88 10
64	1.00	0.120	0.50	0.85	49	860	45	8 828	1 514.5	1987	88 07
64	1.60	0.120	0.30	0.85	52	869	47	9 485	1 494.9	1986	87 11
128	4.16	0.180	0.55	0.84	62	865	50	10 500	1 427.7	1965	81 12 - GPP
32	12.19	0.054	0.40	0.86	62	870	54	10 970	1 421.3	1965	88 12 - GPP
64	17.00	0.050	0.30	0.80	91	813	52	10 362	1 472.9	1979	85 12 - ABAND 87 05
64	10.50	0.050	0.30	0.86	58	86	40	10 320	1 417.1	1981	82 04 - GPP
64	2.70	0.070	0.20	0.80	79	877	55	10 909	1 645.6	1981	84 02
1 762					16	830	64	16 663	1 771.8	1983	87 12
1 066	7.94	0.086	0.33	0.92							
696	10.34	0.086	0.33	0.92							
640	7.28	0.084	0.37	0.90	30	851	54	17 297	1 794.5	1980	88 08
64	5.76	0.091	0.40	0.90	15	854	65	3 944	1 825.5	1984	87 12
64	12.60	0.095	0.32	0.90	28	850	56	16 913	1 796.5	1984	87 12
64	6.70	0.080	0.50	0.93	15	835	65	15 745	1 799.0	1985	87 12
64	4.10	0.079	0.37	0.90	30	850	54	17 083	1 784.0	1985	87 12
64	11.40	0.100	0.55	0.89	34	838	50	17 881	1 865.8	1985	88 12 - SUSP 86 01
128	1.76	0.110	0.35	0.83	58	841	60	18 213	1 822.3	1980	85 02 - SUSP 85 08
64	3.80	0.180	0.30	0.90	26	841	65	17 560	1 803.1	1983	84 04
256	3.72	0.170	0.29	0.83	56	847	71	18 648	1 809.1	1984	85 02
64	6.40	0.200	0.30	0.83	62	847	57	8 200	1 794.3	1984	85 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
GIFT 079-11W5 (CONTINUED)								
GILWOOD H	98.0	0.25		24.5		24.5	5.8	18.7
GILWOOD I	15.8	<0.02		0.3		0.3	0.3	
GILWOOD J	918.0	0.25		230.0		230.0	57.7	172.3
GILWOOD K	193.0	0.20		38.6		38.6	16.2	22.4
GRANITE WASH A	72.7	<0.01		0.2		0.2	0.2	
GRANITE WASH B	198.0	<0.02		3.5		3.5	3.5	
GRANITE WASH C	65.0	<0.02		0.8		0.8	0.8	
GRANITE WASH D	95.4	0.20		19.1		19.1	2.6	16.5
GILBY 041-03W5								
BELLY RIVER A	286.0	0.07		20.0		20.0	18.1	1.9
BELLY RIVER B	565.0	0.10		56.5		56.5	36.9	19.6
BELLY RIVER C	485.0	<0.01		1.1		1.1	1.1	
BELLY RIVER E	338.0	<0.01		1.0		1.0	1.0	
CARDIUM A	170.0	0.12		20.4		20.4	16.5	3.9
CARDIUM D	84.5	0.10		8.5		8.5	0.5	8.0
CARDIUM E	179.0	0.10		17.9		17.9	7.9	10.0
VIKING A TOTAL	6 830.0			1 331.0	1 285.0	2 616.0	2 528.5	87.5
PRIMARY AREA	710.0	0.15		107.0		107.0		
WATER FLOOD AREA	6 120.0	0.20	0.21	1 224.0	1 285.0	2 509.0		
VIKING B TOTAL	1 543.0			429.0	184.0	613.0	553.4	59.6
PRIMARY AREA	133.0	0.15		20.0		20.0		
WATER FLOOD AREA	1 410.0	0.29	0.13	409.0	184.0	593.0		
VIKING C	229.0	0.20		46.1		46.1	33.7	12.4
VIKING F	100.0	0.15		15.0		15.0	9.7	5.3
VIKING G	61.2	<0.02		0.9		0.9	0.9	
VIKING H	19.8	0.02		0.4		0.4	0.4	
VIKING J	74.5	0.05		3.7		3.7	0.2	3.5
VIKING K	36.1	0.10		3.6		3.6	1.6	2.0
VIKING L	32.1	0.10		3.2		3.2	0.8	2.4
BASAL MANNVILLE B TOTAL	7 000.0			868.0	805.0	1 670.0	994.9	675.1
PRIMARY AREA	1 250.0	0.05		62.5		62.5		
WATER FLOOD AREA	5 750.0	0.14	0.14	805.0	805.0	1 610.0		
BASAL MANNVILLE F	28.0	<0.03		0.7		0.7	0.7	
BASAL MANNVILLE G	76.3	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE Q	103.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE R	1 700.0	0.10		170.0		170.0	61.6	108.4
BASAL MANNVILLE S	493.0	0.07		34.5		34.5	21.7	12.8
BASAL MANNVILLE U	117.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE X	376.0	<0.01		1.7		1.7	1.7	
BASAL MANNVILLE Y	93.6	<0.01		0.1		0.1		0.1
BASAL MANNVILLE AA	93.0	0.10		9.3		9.3	1.6	7.7
BASAL MANNVILLE BB	133.0	0.15		20.0		20.0	5.7	14.3
BASAL MANNVILLE DD	105.0	0.10		10.5		10.5	3.1	7.4
BASAL MANNVILLE GG	209.0	0.10		20.9		20.9	0.1	20.8
BASAL MANNVILLE H&L JUR E & UP MANN A	1 290.0	0.05		64.5		64.5	54.0	10.5
JURASSIC B TOTAL	12 300.0			1 480.0	2 190.0	3 680.0	2 681.1	998.9
PRIMARY AREA	138.0	0.10		13.8		13.8		
WATER FLOOD AREA	12 200.0	<0.13	0.18	1 470.0	2 190.0	3 670.0		
JURASSIC F WATER FLOOD	1 760.0	0.15	0.25	264.0	442.0	706.0	393.6	312.4
JURASSIC I	610.0	0.10		61.0		61.0	27.0	34.0
JURASSIC J	443.0	0.10		44.3		44.3	36.0	8.3
JURASSIC L	1 150.0	0.10		115.0		115.0	19.0	96.0
RUNDLE B	175.0	<0.02		2.0		2.0	2.0	
RUNDLE E	140.0	<0.07		8.7		8.7	8.7	
RUNDLE F	447.0	<0.01		0.1		0.1	0.1	
RUNDLE L	300.0	<0.02		5.4		5.4	5.4	
RUNDLE M	139.0	<0.01		0.1		0.1	0.1	
RUNDLE N	67.4	<0.01		0.1		0.1		0.1
RUNDLE O	311.0	0.05		15.6		15.6	7.4	8.2
BANFF A	188.0	<0.01		0.1		0.1	0.1	
NISKU A	121.0	<0.02		1.3		1.3	1.3	
NISKU B	401.0	0.10		40.1		40.1	2.7	37.4
D-3 A	169.0	<0.01		1.5		1.5	1.5	
GILWOOD 073-18W5								
GILWOOD A	442.0	0.30		133.0		133.0	104.3	28.7
GILWOOD B	287.0	0.30		86.1		86.1	12.5	73.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.70	0.160	0.35	0.87	43	847	56	18 101	1 849.2	1984	85 04
64	0.50	0.080	0.29	0.87	43	847	54	16 447	1 830.5	1984	88 12 - SUSP 86 03
256	4.00	0.144	0.30	0.89	31	836	59	18 632	1 876.4	1984	87 12
64	3.50	0.150	0.30	0.82	64	850	63	18 674	1 908.8	1984	84 03
64	1.50	0.150	0.42	0.87	43	854	55	19 017	1 836.7	1984	84 11 - ABAND 84 11
64	3.30	0.200	0.46	0.87	42	835	56	18 383	1 876.7	1984	88 12 - SUSP 86 11
64	1.20	0.130	0.25	0.87	42	835	56	19 055	1 826.6	1984	88 12 - SUSP 86 03
64	1.70	0.180	0.44	0.87	39	845	65	17 263	1 838.2	1984	86 02
129	3.57	0.183	0.60	0.85	57	820	38	7 170	1 282.9	1963	75 12 - GPP
128	5.75	0.140	0.37	0.87	51	820	46	7 240	1 365.3	1965	85 04 - GPP
64	6.40	0.200	0.32	0.87	68	820	33	8 200	1 299.3	1979	81 12 - ABAND 85 01
64	8.00	0.138	0.45	0.87	58	836	29	7 500	1 312.3	1979	88 12 - SUSP 86 07
170	1.83	0.090	0.20	0.76	106	811	63	17 790	1 671.8	1962	87 12 - GPP
64	1.50	0.150	0.15	0.69	140	835	62	18 980	1 847.8	1984	85 08
128	1.72	0.130	0.23	0.81	85	838	55	17 212	1 769.9	1985	88 06
6 566					55	834	62	9 960	1 784.9	1953	88 12 - GPP
960	1.49	0.092	0.35	0.83							
5 606	1.86	0.104	0.32	0.83							
2 451					92	839	68	17 930	1 951.0	1962	88 12 - GPP
181	2.00	0.070	0.32	0.77							
2 270	1.62	0.073	0.32	0.77							
255	1.16	0.140	0.29	0.78	92	839	66	17 440	1 911.1	1956	74 12 - GPP
128	1.35	0.110	0.30	0.75	110	849	66	10 940	1 973.9	1974	88 12 - GPP
65	1.22	0.140	0.29	0.78	92	849	62	12 510	1 908.0	1976	83 12 - SUSP 81 03
64	2.50	0.030	0.45	0.75	100	818	83	12 600	1 917.6	1980	82 07 - ABAND 87 06
64	1.80	0.110	0.30	0.84	58	834	63	11 770	1 831.1	1985	86 07 - SUSP 86 12
64	1.37	0.066	0.20	0.78	90	837	72	9 943	2 044.9	1985	87 05 - GPP
64	0.80	0.105	0.35	0.92	49	850	60	8 341	1 671.6	1985	87 08
996					71	892	69	15 860	2 145.0	1957	84 12 - GPP
288	6.02	0.120	0.23	0.78							
708	9.40	0.142	0.22	0.78							
41	0.91	0.150	0.30	0.72	71	892	68	15 580	2 144.0	1966	88 12 - SUSP 88 12
65	2.13	0.100	0.30	0.79	91	892	53	15 240	2 033.6	1966	68 02 - SUSP 67 06
64	1.83	0.140	0.20	0.78	99	904	52		1 887.0	1974	75 12 - ABAND 76 06
128	13.84	0.136	0.15	0.83	66	887	60	14 370	2 135.6	1976	85 07
128	5.20	0.130	0.27	0.78	98	829	56	15 440	1 894.3	1971	81 12 - GPP
64	4.00	0.090	0.35	0.78	103	904	67	15 462	2 208.5	1979	80 07 - ABAND 83 05
64	9.50	0.110	0.28	0.78		889	52	16 982	2 192.3	1979	79 08 - SUSP 84 06
64	2.10	0.130	0.33	0.80	87	890	79	17 500	2 126.4	1981	84 01 - ABAND 84 05
64	1.90	0.140	0.30	0.78	95	898	59	18 132	2 089.0	1986	86 12
64	2.35	0.135	0.16	0.78	87	890	76	18 396	2 094.1	1979	86 12 - GPP
64	2.80	0.100	0.23	0.76	100		67	14 182	1 990.4	1971	88 01 - GPP
64	4.29	0.138	0.20	0.69	135	812	66	14 661	2 123.7	1987	88 07
192	7.70	0.140	0.22	0.80	86	892	71	16 220	2 137.0	1972	84 12 - GPP
1 893					86	887	71	16 000	2 149.1	1958	86 05
64	3.06	0.110	0.20	0.80							
1 829	6.40	0.167	0.22	0.80							
404	4.97	0.146	0.25	0.80	90	887	66	15 960	2 165.3	1961	68 05 - GPP
64	7.10	0.210	0.20	0.80	76	892	70	13 750	2 155.2	1973	88 09
65	7.62	0.150	0.25	0.80	80	887	71	12 960	2 165.0	1974	74 12
192	4.79	0.230	0.32	0.80	83	896	70	11 618	2 153.8	1982	86 04 - GPP
101	4.79	0.062	0.28	0.81	86	898	71	15 860	2 148.2	1958	64 04 - SUSP 66 10
32	6.83	0.100	0.22	0.81	73	898	71	16 130	2 178.1	1962	63 10 - SUSP 64 07
65	19.42	0.061	0.28	0.81	73	898	79	14 200	2 163.2	1965	67 05 - ABAND 66 11
65	7.62	0.100	0.25	0.81	71	898	73	16 170	2 154.6	1974	88 12 - SUSP 86 02
64	4.80	0.068	0.20	0.81	74	881	62	15 420	2 027.5	1976	82 12 - ABAND 83 01
64	2.50	0.080	0.35	0.81	74	881	66	15 981	2 275.8	1979	88 12 - SUSP 80 02
64	8.00	0.100	0.25	0.81	116	887	54	21 112	2 257.5	1979	83 12 - GPP
64	5.00	0.120	0.30	0.70	150	753	57	15 032	2 075.0	1984	85 07
64	9.00	0.050	0.40	0.70	177	817	51	18 540	2 478.5	1979	83 12 - ABAND 84 07
64	20.00	0.053	0.18	0.72	120	830	82	18 108	2 394.5	1984	86 01 - GPP
64	7.50	0.070	0.25	0.67	59	806	83	11 131	2 475.5	1984	88 12 - SUSP 86 04
243	2.13	0.150	0.36	0.89	36	834	86	25 860	2 472.5	1954	86 12 - GPP
64	6.00	0.140	0.40	0.89	36	838	86	25 714	2 524.6	1984	84 11

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
GILWOOD 073-18W5 (CONTINUED)								
GILWOOD C	217.0	0.25		54.2		54.2	4.0	50.2
GILWOOD D	110.0	0.20		22.0		22.0	1.3	20.7
GIROUX LAKE 066-21W5								
VIKING A TOTAL	843.0			155.0	121.0	276.0	211.9	64.1
PRIMARY AREA	207.0	0.20		41.4		41.4		
WATER FLOOD AREA	636.0	0.18	0.19	114.0	121.0	235.0		
VIKING D	270.0	0.10		27.0		27.0	8.0	19.0
GETHING A	140.0	<0.01		1.3		1.3	1.3	
CADOMIN A	113.0	<0.04		4.1		4.1	4.1	
GIROUXVILLE EAST 076-22W5								
DEBOLT B	225.0	0.10		22.5		22.5	9.1	13.4
GRANITE WASH A	198.0	0.30		59.4		59.4	15.5	43.9
GLACIER 076-11W6								
DOE CREEK A	235.0	0.05		11.8		11.8	2.7	9.1
BOUNDARY A	148.0	0.15		22.2		22.2	6.8	15.4
GLADYS 020-27W4								
UPPER MANNVILLE A	92.2	<0.02		1.1		1.1	1.1	
LOWER MANNVILLE A	2 710.0	0.03		81.3		81.3	46.5	34.8
LOWER MANNVILLE B&C	77.6	<0.01		0.4		0.4	0.4	
DETRITAL A	138.0	<0.02		2.3		2.3	2.3	
RUNDLE C	1 700.0	0.10		170.0		170.0	82.3	87.7
RUNDLE E	419.0	<0.01		0.2		0.2	0.2	
GLEICHEN 022-21W4								
UPPER MANNVILLE A	47.2	<0.03		1.1		1.1	1.1	
UPPER MANNVILLE B	44.1	0.10		4.4		4.4	1.8	2.6
GLEN PARK 049-27W4								
GLAUCONITIC A	194.0	<0.18		34.5		34.5	34.5	
GLAUCONITIC B	333.0	0.15		50.0		50.0	39.1	10.9
D-2 A	304.0	0.07		21.3		21.3	21.3	
D-3 A	4 660.0	0.72		3 350.0		3 350.0	3 145.3	204.7
D-3 B	140.0	0.40		56.0		56.0	12.1	43.9
GOLD CREEK 068-06W6								
CHARLIE LAKE B	271.0	<0.01		1.1		1.1	1.1	
CHARLIE LAKE C	84.9	0.10		8.5		8.5	6.2	2.3
CHARLIE LAKE D	182.0	0.10		18.2		18.2	2.0	16.2
DOIG A	77.0	0.15		11.6		11.6	0.8	10.8
DOIG B	276.0	0.15		41.4		41.4	0.1	41.3
DOIG C	312.0	<0.01		0.1		0.1	0.1	
GOLDEN 087-14W5								
SLAVE POINT A	5 600.0	0.45		2 520.0		2 520.0	2 052.4	467.6
SLAVE POINT B	352.0	0.10		35.2		35.2	6.0	29.2
GOLDEN SPIKE 051-27W4								
UPPER MANNVILLE A	47.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	417.0	0.10		41.7		41.7	10.3	31.4
D-2 A WATER FLOOD	2 180.0	0.11	0.07	240.0	152.0	392.0	356.0	36.0
D-2 B	356.0	0.15		53.4		53.4	50.0	3.4
D-3 A TOTAL	50 180.0			26 590.0	3 650.0	30 280.0	28 048.6	2 231.4
PRIMARY AREA	575.0	0.50		288.0		288.0		
SOLVENT FLOOD AREA	0.0			0.0	1 590.0	1 590.0		
GAS FLOOD AREA	49 600.0	0.53	0.05	26 300.0	2 070.0	28 400.0		
D-3 B	683.0	0.40		273.0		273.0	239.7	33.3
D-3 C	425.0	0.45		191.0		191.0	177.2	13.8
GOODWIN 059-13W5								
BASAL QUARTZ A	189.0	0.10		18.9		18.9	8.0	10.9
GOOSE RIVER 067-18W5								
D-2 A	297.0	<0.01		0.9		0.9	0.9	
BEAVERHILL LAKE A TOTAL	21 040.0			3 408.0	5 424.0	8 832.0	6 193.5	2 638.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.70	0.133	0.39	0.89	36	834	86	26 199	2 567.7	1987	87 09
64	3.03	0.107	0.39	0.87	38	840	64	25 186	2 558.3	1985	85 10
646					71	834	56	11 620	1 376.5	1964	88 12 - GPP
256	1.23	0.140	0.44	0.84							
390	2.01	0.138	0.30	0.84							
192	1.33	0.200	0.37	0.84	71	834	56	11 137	1 329.5	1985	88 06
64	2.50	0.130	0.25	0.90	29	927	59	8 300	1 691.3	1979	79 11 - SUSP 85 06
64	1.84	0.160	0.32	0.88		922	71	15 850	1 745.5	1978	88 12 - SUSP 85 07
64	3.80	0.160	0.35	0.89	38	826	41	9 212	1 118.9	1982	86 02 - GPP
64	3.80	0.180	0.48	0.87	36	820	76	26 620	2 445.4	1985	86 01
64	3.80	0.200	0.45	0.88	47	840	33	4 142	672.2	1985	86 02
64	2.50	0.210	0.45	0.80	110	834	75	17 561	1 987.8	1984	85 01
64	2.00	0.120	0.25	0.80	80	852	48	17 226	2 021.5	1979	82 08 - SUSP 84 04
192	22.39	0.120	0.30	0.75	112	849	54	16 805	2 056.9	1978	83 12 - GPP
64	2.10	0.110	0.30	0.75	112	830	54	16 468	2 054.1	1978	82 12 - SUSP 82 07
64	4.00	0.120	0.40	0.75	112	840	54	16 850	2 062.4	1978	84 12 - SUSP 84 08
320	13.00	0.080	0.30	0.73	102	849	56	19 163	2 070.1	1977	80 05
64	12.80	0.120	0.40	0.71	140	820	64	16 165	1 988.5	1978	82 12 - ABAND 83 09
64	1.30	0.140	0.50	0.81	82	841	43	10 869	1 462.0	1980	84 12 - ABAND 83 11
64	1.70	0.100	0.50	0.81	72	838	43	10 771	1 396.4	1979	83 01 - SUSP 87 02
77	2.74	0.149	0.26	0.83	60	881	59	13 240	1 408.5	1953	61 09 - ABAND 71 05
82	3.64	0.170	0.20	0.82	44	881	60	7 170	1 428.9	1965	84 12 - GPP
239	4.63	0.047	0.20	0.73	113	820	67	13 240	1 691.3	1952	64 04 - SUSP 69 12
173	39.32	0.097	0.07	0.76	106	834	74	15 200	1 921.8	1951	73 05
64	4.00	0.090	0.20	0.76	99	836	74	13 391	1 912.0	1983	84 05
64	2.80	0.210	0.10	0.80	100	815	75	19 302	2 103.4	1983	85 09 - SUSP 85 09
64	3.00	0.080	0.30	0.79	100	795	75	19 510	2 185.5	1984	84 07
64	3.89	0.125	0.27	0.80	100	827	74	20 425	2 143.0	1985	86 09
64	1.80	0.110	0.24	0.80	78	820	74	20 988	2 155.9	1985	86 03
64	10.30	0.083	0.37	0.80	68	856	75	18 846	2 190.7	1985	85 07 - SUSP 86 06
64	7.80	0.120	0.35	0.80	68	824	74	19 328	2 136.1	1984	85 08 - SUSP 85 11
1 344	7.50	0.086	0.29	0.91	32	829	38	16 660	1 599.3	1971	88 01
64	8.50	0.090	0.21	0.91	30	829	38	15 646	1 581.3	1983	88 01
16	3.60	0.160	0.35	0.80	60	905	50	11 265	1 269.5	1976	84 03 - SUSP 84 09
128	5.12	0.130	0.41	0.83	58	881	45	11 841	1 313.8	1983	86 05
609	9.85	0.057	0.15	0.75	87	839	61	12 270	1 542.9	1952	82 12 - GPP
173	3.93	0.078	0.14	0.78	87	839	61	12 410	1 556.9	1951	73 12 - GPP
590					70	839	60	14 450	1 775.9	1949	88 11
24	38.71	0.087	0.11	0.80							
											- SOLVENT FLOOD TERMINATED 76 02
590	135.64	0.087	0.11	0.80							
231	6.10	0.068	0.12	0.81	73	839	77	14 340	1 810.2	1950	86 12
158	5.82	0.068	0.15	0.80	73	839	67	14 480	1 827.0	1951	85 12 - GPP
64	5.26	0.120	0.40	0.78	90	860	61	13 800	1 650.0	1973	85 11
65	9.14	0.080	0.15	0.74	113	825	114	28 460	2 372.6	1965	71 05 - ABAND 69 08
3 568					99	820	110	29 300	2 810.3	1963	87 03

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GOOSE RIVER 067-18W5 (CONTINUED)								
PRIMARY AREA	237.0	<0.01		1.6		1.6		
SOLVENT FLOOD AREA	10 000.0	0.16	0.29	1 600.0	2 940.0	4 540.0		
WATER FLOOD AREA	10 800.0	0.16	0.23	1 806.0	2 484.0	4 290.0		
BEAVERHILL LAKE B	167.0	0.10		16.7		16.7	13.8	2.9
GORDONDALE 079-10W6								
HALFWAY A	149.0	<0.02		2.2		2.2	2.2	
HALFWAY B	1 230.0	0.10		123.0		123.0	22.6	100.4
HALFWAY C	2 638.0	0.10		264.0		264.0	23.5	240.5
HALFWAY F	38.2	0.15		5.7		5.7	3.0	2.7
HALFWAY I	210.0	0.15		31.5		31.5	6.9	24.6
HALFWAY K	1 212.0	0.10		121.0		121.0	47.0	74.0
GRANDE PRAIRIE 073-06W6								
CHARLIE LAKE B	122.0	0.15		18.3		18.3	9.5	8.8
CHARLIE LAKE C	74.0	0.10		7.4		7.4	3.7	3.7
CHARLIE LAKE D	185.0	0.15		27.8		27.8	1.3	26.5
CHARLIE LAKE E	54.2	0.20		10.8		10.8	7.7	3.1
HALFWAY A	4 000.0	0.12		480.0		480.0	186.3	293.7
HALFWAY F	11.4	0.10		1.1		1.1	0.3	0.8
HALFWAY H	130.0	0.10		13.0		13.0	1.7	11.3
HALFWAY I	128.0	0.10		12.8		12.8	0.5	12.3
HALFWAY J	66.3	0.10		6.6		6.6	0.4	6.2
HALFWAY K	144.0	0.10		14.4		14.4	3.2	11.2
HALFWAY L	37.5	0.15		5.6		5.6	0.3	5.3
GROAT 057-15W5								
CARDIUM A	188.0	0.10		18.8		18.8	0.1	18.7
GUNN 056-03W5								
LOWER MANNVILLE A	158.0	<0.01		1.4		1.4	1.4	
HACKETT 036-18W4								
UPPER MANNVILLE A	1 150.0	0.09		103.0	ERSO	103.0	71.9	31.1
UPPER MANNVILLE D	238.0	<0.01		0.1		0.1	0.1	
HALKIRK 038-16W4								
UPPER MANNVILLE B	82.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE D	1 593.0	0.15		239.0		239.0	50.7	188.3
UPPER MANNVILLE E	202.0	0.10		20.2		20.2	3.6	16.6
UPPER MANNVILLE G	140.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE I TOTAL	5 801.0			962.0	1 333.0	2 295.0	435.2	1 859.8
PRIMARY AREA	118.0	0.17		21.6		21.6		
WATER FLOOD AREA	5 683.0	<0.17	0.23	940.0	1 333.0	2 273.0		
UPPER MANNVILLE J	960.0	0.10		96.0		96.0	11.0	85.0
UPPER MANNVILLE K	323.0	0.10		32.3		32.3	9.2	23.1
UPPER MANNVILLE L	137.0	0.15		20.6		20.6	2.4	18.2
LOWER MANNVILLE F	1 160.0	0.10		116.0		116.0	53.3	62.7
LOWER MANNVILLE G	32.0	0.10		3.2		3.2	1.1	2.1
LOWER MANNVILLE J	300.0	0.20		60.0		60.0	25.7	34.3
LOWER MANNVILLE L	108.0	0.10		10.8		10.8	3.6	7.2
LOWER MANNVILLE M	115.0	0.10		11.5		11.5	2.1	9.4
LOWER MANNVILLE N	32.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE O	43.4	0.10		4.3		4.3		4.3
CAMROSE A	203.0	0.25		50.8		50.8	3.2	47.6
CAMROSE B	304.0	0.25		76.0		76.0	10.8	65.2
CAMROSE C	100.0	0.25		25.0		25.0	8.4	16.6
CAMROSE D	85.2	0.20		17.0		17.0	0.4	16.6
HALKIRK EAST 040-13W4								
VIKING A	273.0	0.10		27.3		27.3	9.2	18.1
VIKING B	231.0	0.10		23.1		23.1	9.5	13.6
VIKING C	52.9	<0.01		0.2		0.2	0.2	
VIKING D	877.0	0.02		17.5		17.5	6.8	10.7
VIKING E	91.2	0.10		9.1		9.1	3.3	5.8
VIKING F	86.4	<0.01		0.1		0.1	0.1	
VIKING G	49.1	0.10		4.9		4.9	0.3	4.6
GLAUCONITIC A	743.0	0.10		74.3		74.3	1.8	72.5
GLAUCONITIC B	206.0	0.02		4.1		4.1	0.3	3.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
65	7.35	0.082	0.19	0.75							
1 152	17.66	0.082	0.19	0.74							
2 351	9.35	0.082	0.19	0.74							
130	3.66	0.060	0.24	0.77	99	820	104	36 200	2 857.2	1965	67 02 - GPP
65	4.88	0.090	0.27	0.72	129	815	67	16 880	1 747.1	1976	83 12 - SUSP 80 12
437	5.19	0.103	0.35	0.81	76	830	66	17 046	1 830.6	1980	88 09
1 190	3.91	0.100	0.30	0.81	76	832	66	16 685	1 875.9	1980	88 07
64	2.15	0.065	0.39	0.70	130	814	60	10 896	1 638.3	1985	88 12
64	5.20	0.152	0.43	0.73	175	806	60	15 709	1 734.6	1986	87 05
1 265	1.80	0.096	0.23	0.72	112	814	70		1 592.1	1987	88 09
99	1.70	0.120	0.10	0.67	144	835	58	19 119	1 921.5	1984	88 12
64	2.10	0.106	0.20	0.65	168	827	64	8 346	1 925.5	1979	80 01
64	3.90	0.120	0.12	0.70	140	823	68	8 166	1 947.7	1985	87 10 - SUSP 87 07
64	1.30	0.100	0.07	0.70	122	840	72	19 686	1 957.7	1983	88 12 - GPP
900	7.00	0.106	0.16	0.71	129	798	73	16 788	1 905.6	1982	84 02
64	1.00	0.050	0.50	0.71	129	797	73	15 099	1 901.9	1983	84 01
64	3.81	0.107	0.30	0.71	129	825	73	15 866	1 921.4	1984	85 02 - SUSP 86 02
64	2.70	0.120	0.13	0.71	129	797	73	16 905	1 922.8	1985	88 07
64	2.00	0.090	0.19	0.71	129	807	73	17 461	1 962.0	1985	85 10
64	4.51	0.110	0.36	0.71	129	797	73	16 356	1 898.8	1984	85 08
64	2.00	0.055	0.18	0.65	160	826	65	17 676	1 988.3	1985	86 01
64	6.00	0.100	0.30	0.70	140	760	45	10 184	1 687.0	1984	85 03
64	3.10	0.190	0.40	0.70	112	827	60	10 344	1 348.2	1978	84 01 - ABAND 86 10
425	3.89	0.180	0.54	0.84	44	871	39	8 170	1 177.2	1974	86 02 - GPP
64	3.00	0.220	0.33	0.84	54	871	40	8 680	1 236.9	1984	85 07 - ABAND 86 12
64	1.23	0.200	0.30	0.75	51	874	35	8 377	1 183.5	1977	82 12 - ABAND 84 11
149	6.60	0.250	0.19	0.80	64	856	45	8 852	1 194.4	1984	88 07
64	3.80	0.167	0.38	0.80	55	873	38	8 098	1 187.7	1984	85 10 - GPP
64	2.90	0.190	0.47	0.75	110	870	30	8 172	1 185.5	1984	85 10 - ABAND 86 10
723					66	868	37	9 359	1 241.6	1985	88 02
64	1.40	0.220	0.27	0.82							
659	6.58	0.222	0.28	0.82							
205	3.80	0.220	0.30	0.80	64	868	48	9 318	1 205.6	1985	87 08
64	4.50	0.200	0.30	0.80	61	867	35	9 371	1 231.5	1986	86 08
64	2.00	0.180	0.30	0.85	64	854	48	9 391	1 263.5	1986	86 12
448	3.39	0.180	0.47	0.80	98	843	37	8 910	1 201.5	1978	84 05 - GPP
64	0.92	0.160	0.60	0.85	64	852	48	8 704	1 180.1	1978	88 07
191	1.29	0.220	0.31	0.80	74	867	37	8 856	1 247.1	1986	88 12
64	2.20	0.160	0.40	0.80	66	868	36	8 963	1 228.8	1986	87 01
64	2.00	0.160	0.30	0.80	74	867	37	9 092	1 225.1	1986	87 02
32	1.40	0.140	0.40	0.85	64	867	48	9 028	1 251.5	1987	87 07 - SUSP 87 06
16	2.80	0.170	0.33	0.85	64	852	48	8 942	1 256.1	1987	88 08
64	7.00	0.070	0.19	0.80	36	868	53	9 737	1 395.5	1984	86 02 - SUSP 87 06
64	9.10	0.075	0.13	0.80	36	878	53	10 153	1 431.1	1984	85 10
22	10.36	0.061	0.20	0.90	84	882	53	9 883	1 376.9	1983	85 10
64	3.40	0.067	0.35	0.90		845	42	9 572	1 369.0	1985	86 05 - SUSP 86 11
192	1.55	0.170	0.42	0.93	26	850	33	5 909	829.6	1982	82 11 - GPP
192	1.42	0.160	0.43	0.93	27	850	33	6 532	836.8	1982	86 11 - GPP
64	0.90	0.170	0.40	0.90	37	854	33	5 757	828.5	1982	82 11 - SUSP 83 12
192	3.70	0.214	0.38	0.93				5 978	829.0	1973	85 12 - GPP
64	2.00	0.150	0.50	0.95	24	858	33	5 497	834.5	1982	83 05 - GPP
64	2.00	0.150	0.50	0.90	37	858	33	5 880	834.2	1982	83 05 - SUSP 83 07
64	1.00	0.150	0.45	0.93	22	838	38	5 606	829.8	1984	85 02 - SUSP 87 02
128	5.76	0.160	0.30	0.90	37	880	35	7 450	1 030.9	1983	83 12 - SUSP 86 12
128	2.00	0.190	0.47	0.80	52	855	39	7 200	973.3	1984	87 02

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HALKIRK EAST 040-13W4 (CONTINUED)								
GLAUCONITIC C	232.0	0.10		23.2		23.2	1.5	21.7
ELLERSLIE A	262.0	0.40		105.0		105.0	76.4	28.6
ELLERSLIE B	700.0	0.30		210.0		210.0	97.7	112.3
ELLERSLIE C	279.0	0.10		27.9		27.9	0.8	27.1
ELLERSLIE D	124.0	0.10		12.4		12.4	0.6	11.8
ELLERSLIE E	702.0	0.15		105.0		105.0	30.9	74.1
ELLERSLIE F	1 207.0	0.10		121.0		121.0	29.5	91.5
ELLERSLIE G	449.0	0.10		44.9		44.9	5.8	39.1
ELLERSLIE H	52.0	0.25		13.0		13.0	8.1	4.9
ELLERSLIE I	278.0	0.40		111.0		111.0	57.0	54.0
ELLERSLIE J	58.0	0.40		23.2		23.2	15.5	7.7
ELLERSLIE K	3.3	0.02		0.1		0.1		0.1
HAMELIN CREEK 080-06W6								
TRIASSIC A	728.0	0.25		182.0		182.0	58.0	124.0
HANNA 031-14W4								
UPPER MANNVILLE B	105.0	0.10		10.5		10.5	3.1	7.4
LOWER MANNVILLE A	297.0	<0.01		0.3		0.3	0.3	
HARMATTAN EAST 032-03W5								
CARDIUM A	159.0	<0.01		0.2		0.2	0.2	
CARDIUM B	152.0	<0.01		0.2		0.2	0.2	
CARDIUM C	25.2	0.10		2.5		2.5	1.4	1.1
CARDIUM D	258.0	0.03		7.7		7.7	3.0	4.7
CARDIUM E	74.9	0.05		3.7		3.7	0.9	2.8
VIKING C	243.0	0.10		24.3		24.3	7.7	16.6
VIKING E TOTAL	6 530.0			760.0	1 230.0	1 991.0	717.7	1 273.3
PRIMARY AREA	1 181.0	0.10		118.0		118.0		
WATER FLOOD AREA	5 349.0	0.12	0.23	641.0	1 230.0	1 872.0		
VIKING J	77.5	<0.01		0.3		0.3	0.3	
VIKING K	106.0	0.10		10.6		10.6	0.8	9.8
BLAIRMORE	288.0	<0.09		24.8		24.8	24.8	
NORDEGG A	136.0	<0.01		1.2		1.2	1.2	
RUNDLE TOTAL	32 890.0			9 847.0	2 289.0	12 140.0	10 756.8	1 383.2
PRIMARY AREA	186.0	0.20		37.2		37.2		
WATER FLOOD AREA	32 700.0	0.30	0.07	9 810.0	2 289.0	12 100.0		
RUNDLE D	308.0	0.10		30.8		30.8	7.5	23.3
HARMATTAN-ELKTON 031-04W5								
BELLY RIVER A	137.0	<0.01		0.1		0.1		0.1
CARDIUM A	50.0	0.12		6.0		6.0	3.7	2.3
CARDIUM B	117.0	0.10		11.7		11.7	0.3	11.4
RUNDLE B	113.0	<0.08		8.9		8.9	8.9	
RUNDLE C	29 900.0	0.34		10 200.0		10 200.0	9 838.0	362.0
HARO 106-08W6								
KEG RIVER A	370.0	<0.01		2.0		2.0	2.0	
HAYNES 038-24W4								
D-2 A & D-3 A	1 866.0	0.20		373.0		373.0	316.9	56.1
HERCULES 051-23W4								
WABAMUN A	225.0	0.10		22.5		22.5	6.7	15.8
HIGH PRAIRIE 073-16W5								
GILWOOD A	480.0	0.25		120.0		120.0	20.2	99.8
GILWOOD B	544.0	0.30		163.0		163.0	25.9	137.1
GILWOOD C	260.0	0.30		78.0		78.0	9.1	68.9
GILWOOD D	198.0	0.20		39.6		39.6	2.0	37.6
GILWOOD E	192.0	0.25		48.0		48.0	3.7	44.3
GILWOOD F	783.0	0.25		196.0		196.0	16.3	179.7
GILWOOD G	338.0	0.25		84.5		84.5	5.2	79.3
GILWOOD H	141.0	0.20		28.2		28.2	3.5	24.7
GILWOOD I	234.0	0.20		46.8		46.8	5.3	41.5
GILWOOD J	172.0	0.05		8.6		8.6	0.4	8.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.00	0.200	0.33	0.90	38	875	37	7 479	969.8	1986	87 05
30	5.06	0.240	0.20	0.90	42	896	32	6 958	1 002.7	1972	88 09
90	4.62	0.240	0.22	0.90	43	870	35	6 820	997.2	1983	88 09
64	2.50	0.260	0.21	0.85	66	885	31	7 215	1 046.4	1984	84 12
64	1.60	0.200	0.33	0.90	36	829	39	6 711	1 003.3	1987	87 05 - SUSP 87 11
93	5.08	0.220	0.25	0.90	36	865	39	6 612	996.3	1986	88 04
	7.62	0.230	0.22	0.92	48	897	37	6 459	987.2	1987	88 11
64	5.00	0.220	0.25	0.85	62	885	35	6 568	985.6	1987	88 03
14	2.71	0.190	0.20	0.90	42	896	32	6 873	1 003.5	1983	88 09
23	6.08	0.260	0.15	0.90	42	896	32	6 905	995.0	1985	88 09
8	4.75	0.230	0.26	0.90	42	896	32	7 500	988.7	1984	88 09
4	0.50	0.260	0.28	0.90	42	986	32	7 420	959.4	1985	88 09
192	3.02	0.190	0.25	0.88	50	835	50	11 322	1 186.0	1980	84 02
64	2.00	0.180	0.50	0.91	37	853	31	8 008	1 136.5	1981	82 06 - GPP
65	3.05	0.250	0.30	0.86	52	865	31	9 310	1 174.4	1970	72 07 - ABAND 72 05
64	3.90	0.100	0.15	0.75	35	806	64	15 292	1 938.2	1979	83 12 - ABAND 84 05
64	4.80	0.141	0.56	0.80	83	815	59	16 170	2 023.5	1979	83 12 - SUSP 81 11
64	0.90	0.080	0.30	0.78	80	851	61	16 990	2 051.9	1983	83 07
64	4.00	0.150	0.15	0.79	79	785	61	16 550	1 999.0	1981	86 12
64	2.50	0.075	0.20	0.78	80	850	61	15 580	1 978.9	1982	86 05
64	8.30	0.077	0.30	0.85	60	844	67	17 131	2 350.6	1981	82 06
4 873					58	840	56	10 225	2 189.2	1979	88 03
1 037	1.89	0.104	0.30	0.83							
3 836	2.69	0.096	0.35	0.83							
64	3.88	0.080	0.50	0.78	100	840	51	9 000	2 200.6	1982	83 05 - SUSP 84 03
64	4.99	0.078	0.39	0.70	160	790	67	10 950	2 369.8	1982	83 11
65	5.49	0.150	0.17	0.65	177	834	77	28 960	2 451.2	1961	61 09 - SUSP 73 07
64	7.70	0.075	0.45	0.67	170	820	90	24 850	2 461.6	1980	88 12 - SUSP 86 04
4 711					171	834	85	23 650	2 672.5	1954	87 03
64	6.69	0.080	0.19	0.67							
4 647	9.02	0.137	0.15	0.67							
64	14.10	0.060	0.15	0.67	171	834	85	22 867	2 409.9	1984	84 02
64	3.19	0.123	0.40	0.91	32	839	46	6 077	1 670.3	1985	85 11 - ABAND 86 01
64	2.17	0.060	0.25	0.80	80	816	62	20 700	2 392.8	1980	88 12
64	2.50	0.100	0.15	0.86	52	833	79	26 577	2 403.3	1986	87 01
65	2.77	0.126	0.23	0.65	158	825	93	23 650	2 714.9	1962	74 02 - ABAND 71 12
4 491	9.56	0.128	0.20	0.68	172	844	94	25 100	2 782.2	1955	83 12 - GPP
64	16.90	0.060	0.08	0.62	193	807	84	17 628	2 000.3	1982	83 05 - ABAND 86 03
1 156	7.09	0.044	0.25	0.69	148	825	61	16 310	1 805.4	1968	86 11
64	7.90	0.080	0.36	0.87	52	870	47	8 913	1 256.7	1980	81 08
128	4.58	0.130	0.30	0.90	33	849	81	24 396	2 321.6	1987	88 05
64	11.17	0.144	0.40	0.88	43	840	81	24 503	2 293.5	1987	87 10
64	4.99	0.156	0.40	0.87	36	835	86	24 664	2 316.3	1987	87 12
64	3.28	0.168	0.37	0.89	36	868	86	23 944	2 241.2	1987	88 06
64	3.30	0.170	0.40	0.89	36	835	86	24 480	2 327.8	1987	88 01
192	4.62	0.146	0.32	0.89	36	835	86	24 435	2 311.2	1987	88 12
128	3.93	0.130	0.42	0.89	36	835	85	23 765	2 242.4	1987	88 05
64	2.54	0.157	0.38	0.89	36	835	75	22 483	2 259.1	1987	88 06
64	3.79	0.155	0.30	0.89	36	935	86	23 682	2 272.6	1987	88 08
64	4.07	0.148	0.50	0.89	36	935	80	24 584	2 359.7	1987	88 08

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HIGHVALE 051-04W5								
CARDIUM C TOTAL	2 456.0			246.0	213.0	459.0	176.7	282.3
PRIMARY AREA	1 036.0	0.10		104.0		104.0		
WATER FLOOD AREA	1 420.0	0.10	0.15	142.0	213.0	355.0		
CARDIUM D	95.0	0.10		9.5		9.5	2.8	6.7
CARDIUM G	236.0	0.10		23.6		23.6	1.8	21.8
LOWER MANNVILLE A TOTAL	5 420.0			432.0	440.0	872.0	302.7	569.3
PRIMARY AREA	2 970.0	0.08		237.0		237.0		
WATER FLOOD AREA	2 450.0	0.08	0.18	195.0	440.0	635.0		
LOWER MANNVILLE B	172.0	0.10		17.2		17.2	12.0	5.2
LOWER MANNVILLE D	102.0	0.10		10.2		10.2	4.9	5.3
LOWER MANNVILLE I	131.0	0.08		10.5		10.5	3.4	7.1
LOWER MANNVILLE J	102.0	0.10		10.2		10.2	3.3	6.9
LOWER MANNVILLE P	244.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE R	590.0	0.10		59.0		59.0	19.5	39.5
LOWER MANNVILLE S	135.0	0.10		13.5		13.5	2.7	10.8
LOWER MANNVILLE T	201.0	0.05		10.1		10.1	1.9	8.2
LOWER MANNVILLE U	1 161.0	0.10		116.0		116.0	14.7	101.3
LOWER MANNVILLE V	74.1	0.10		7.4		7.4	2.8	4.6
NORDEGG E	73.7	0.10		7.4		7.4	0.3	7.1
BANFF H & NORDEGG D	7 110.0	0.10		711.0		711.0	111.7	599.3
BANFF A	2 900.0	0.12		350.0		350.0	136.7	213.3
BANFF B	287.0	0.05		14.4		14.4	6.8	7.6
BANFF E	350.0	<0.01		2.7		2.7	2.7	
BANFF F	375.0	<0.01		1.0		1.0	1.0	
BANFF G	553.0	<0.01		0.1		0.1	0.1	
BANFF K	80.9	<0.01		0.1		0.1	0.1	
BANFF M	536.0	0.04		21.4		21.4	9.3	12.1
BANFF P	371.0	0.12		44.5		44.5	24.9	19.6
BANFF R	265.0	0.10		26.5		26.5	3.8	22.7
BANFF S	208.0	0.10		20.8		20.8	1.7	19.1
HILLSDOWN 037-25W4								
D-2 A	263.0	0.05		13.2		13.2	8.1	5.1
D-2 B	308.0	0.15		46.2		46.2	40.9	5.3
D-2 C	198.0	0.03		5.9		5.9	4.0	1.9
D-3 A	112.0	<0.02		1.3		1.3	1.3	
HOMEGLEN-RIMBEY 043-01W5								
ELLERSLIE A	156.0	<0.01		0.1		0.1	0.1	
PEKISKO A	334.0	0.10		33.4		33.4	4.6	28.8
D-3	14 900.0	0.08		1 190.0		1 190.0	1 166.2	23.8
D-3 B	700.0	0.50		350.0		350.0	60.3	289.7
D-3 C	321.0	0.20		64.2		64.2	4.9	59.3
HOOKER 015-29W4								
JURASSIC A	95.3	0.10		9.5		9.5	6.9	2.6
JURASSIC B	146.0	0.10		14.6		14.6	4.9	9.7
HUSSAR 025-20W4								
GLAUCONITIC A	6 980.0	<0.47		3 270.0		3 270.0	3 102.1	167.9
GLAUCONITIC B	1 300.0	0.03		39.0		39.0	29.8	9.2
GLAUCONITIC C	37.3	<0.06		2.1		2.1	2.1	
GLAUCONITIC E	842.0	0.07		58.9		58.9	47.9	11.0
GLAUCONITIC F	74.8	<0.06		4.4		4.4	4.4	
GLAUCONITIC G	926.0	0.06		55.6		55.6	51.7	3.9
GLAUCONITIC H	108.0	<0.08		8.1		8.1	8.1	
GLAUCONITIC J	263.0	0.10		26.3		26.3	14.1	12.2
GLAUCONITIC K	119.0	<0.04		4.6		4.6	4.6	
GLAUCONITIC U	155.0	0.15		23.3		23.3	19.1	4.2
GLAUCONITIC X	227.0	0.10		22.7		22.7	12.2	10.5
GLAUCONITIC BB	636.0	0.10		63.6		63.6	48.9	14.7
GLAUCONITIC DD	219.0	0.03		6.6		6.6	6.1	0.5
GLAUCONITIC SS	173.0	<0.01		0.3		0.3	0.3	
GLAUCONITIC VV	216.0	0.10		21.6		21.6	8.0	13.6
GLAUCONITIC YY	221.0	<0.02		2.8		2.8	2.8	
GLAUCONITIC FFF	32.6	0.10		3.3		3.3	2.0	1.3
GLAUCONITIC NNN	1 190.0	0.10		119.0		119.0	9.2	109.8
GLAUCONITIC RRR	364.0	0.01		3.6		3.6	0.8	2.8
GLAUCONITIC SSS	1 170.0	0.10		117.0		117.0	84.4	32.6
GLAUCONITIC TTT	55.3	0.10		5.5		5.5	3.1	2.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 755					22	871	39	15 391	1 141.7	1980	88 12
792	1.24	0.140	0.19	0.93							
963	1.24	0.150	0.15	0.93							
64	1.70	0.110	0.15	0.93	22	871	39	15 392	1 148.5	1981	83 01 - SUSP 87 02
64	3.30	0.150	0.20	0.93	28	874	38	12 899	1 090.9	1984	84 10
3 106					84	870	53	17 305	1 591.0	1976	85 04
1 730	2.12	0.150	0.34	0.82							
1 376	2.19	0.150	0.34	0.82							
64	3.60	0.140	0.35	0.82	90	855	54	16 962	1 583.0	1979	87 12
64	1.85	0.150	0.30	0.82	86	870	56	16 168	1 586.5	1978	81 10
64	1.80	0.180	0.23	0.82	84	865	43	14 959	1 516.9	1980	81 08 - SUSP 87 02
64	2.50	0.120	0.35	0.82	68	862	50	16 484	1 625.8	1982	83 02 - SUSP 87 02
64	5.95	0.130	0.40	0.82	82	882	56	14 416	1 597.0	1983	84 10 - ABAND 85 05
192	3.02	0.170	0.27	0.82	82	882	56	15 770	1 572.0	1985	88 02
64	2.40	0.165	0.35	0.82	82	870	56	16 730	1 567.2	1977	85 12 - GPP
64	3.00	0.150	0.15	0.82	82	882	56	14 087	1 492.2	1985	87 12
192	5.29	0.170	0.18	0.82	82	850	56	15 514	1 508.0	1985	86 11
64	0.80	0.210	0.16	0.82	82	882	56	14 579	1 512.4	1983	83 12
64	3.20	0.080	0.40	0.75	108	880	55	17 088	1 568.4	1979	88 03
1 114	6.96	0.200	0.42	0.79	102	869	54	17 506	1 623.4	1981	87 04
372	7.55	0.180	0.30	0.82	117	870	60	16 990	1 588.3	1978	84 04
64	4.05	0.220	0.33	0.75	117	870	60	16 840	1 580.1	1977	80 01
64	5.00	0.190	0.30	0.82	89	870	60	16 899	1 613.8	1978	81 09 - ABAND 81 05
64	8.00	0.122	0.25	0.80	88	870	57	18 550	1 627.5	1981	85 12 - ABAND 85 12
64	5.40	0.250	0.20	0.80	88	870	57	14 500	1 610.3	1981	82 04 - ABAND 82 01
64	2.00	0.150	0.48	0.81	88	866	56	15 107	1 494.9	1983	83 10 - ABAND 83 09
64	7.42	0.215	0.36	0.82	117	870	60	16 010	1 577.9	1977	85 05
64	4.59	0.220	0.30	0.82	117	870	60	16 208	1 557.5	1980	85 05
64	5.56	0.164	0.44	0.81	112	889	57	16 700	1 575.7	1981	82 03 - SUSP 87 02
64	3.72	0.152	0.30	0.82	10	865	27	17 290	1 633.0	1979	79 10 - SUSP 87 02
128	6.52	0.060	0.28	0.73	141	826	64	15 396	1 972.6	1980	84 12 - GPP
192	6.19	0.050	0.30	0.74	158	828	77	18 330	2 016.0	1973	81 12 - GPP
64	10.90	0.058	0.30	0.70	130	815	69	18 379	2 061.4	1985	88 12 - GPP
64	4.00	0.080	0.17	0.66	181	808	21	15 159	2 090.9	1985	86 05 - ABAND 87 02
64	2.70	0.150	0.25	0.80	60	898	53	11 721	1 752.0	1980	83 12 - SUSP 81 11
64	11.50	0.075	0.27	0.85	60	825	65	15 423	1 885.3	1985	85 12
4 563	7.56	0.077	0.15	0.66	165	811	83	19 550	2 415.5	1953	86 12 - GPP
105	12.20	0.100	0.30	0.78	159	810	83	10 985	2 390.4	1983	85 02
64	12.60	0.090	0.33	0.66	160	820	83	18 481	2 389.5	1985	86 03 - GPP
64	2.01	0.105	0.15	0.83	120	880	72	27 714	2 790.8	1980	84 09
64	3.85	0.110	0.35	0.83	63	880	66	36 897	2 947.5	1980	81 06
675	7.07	0.210	0.14	0.81	82	844	46	10 400	1 454.2	1957	67 02
192	5.38	0.210	0.25	0.81	81	860	46	10 070	1 424.6	1959	79 12 - GPP
16	1.83	0.200	0.21	0.80	82	860	45	10 140	1 425.9	1958	64 04 - SUSP 63 01
90	6.10	0.225	0.16	0.81	78	849	41	10 000	1 367.0	1959	79 12 - GPP
32	1.83	0.200	0.21	0.80	83	860	40	10 380	1 341.7	1959	64 04 - ABAND 68 07
209	2.96	0.221	0.23	0.88	80	860	41	9 890	1 369.2	1961	83 12 - GPP
21	3.70	0.210	0.18	0.80	80	860	44	10 000	1 407.3	1964	79 01 - ABAND 78 11
192	1.86	0.140	0.36	0.82	80	838	44	10 418	1 428.6	1977	82 05 - GPP
65	1.43	0.200	0.20	0.80	80	860	43	9 960	1 423.4	1959	83 12 - SUSP 76 12
163	0.91	0.150	0.14	0.81	80	860	36	10 070	1 399.9	1965	87 12 - GPP
65	2.74	0.210	0.25	0.81	62	839	46	10 030	1 433.5	1974	77 04 - GPP
177	3.05	0.210	0.30	0.80	82	844	44	10 330	1 416.4	1963	69 08
64	3.07	0.170	0.18	0.80	80	860	43	9 790	1 396.3	1969	82 12 - GPP
64	3.00	0.150	0.25	0.80	66	857	40	10 240	1 408.0	1979	81 12 - SUSP 83 12
64	4.40	0.160	0.40	0.80	88	860	49	10 741	1 461.8	1978	80 02 - GPP
128	2.75	0.140	0.44	0.80	72	849	43	10 513	1 407.3	1979	88 12 - SUSP 87 02
64	0.70	0.140	0.35	0.80	86	847	43	10 441	1 403.7	1980	82 03 - SUSP 87 01
128	13.10	0.140	0.38	0.82	56	856	45	9 795	1 392.0	1979	85 11
64	5.50	0.210	0.40	0.82	56	857	45	7 970	1 485.3	1982	85 12
708	1.53	0.202	0.33	0.80	86	860	44	9 980	1 428.0	1960	83 06
64	1.00	0.180	0.40	0.80	86	860	44	9 915	1 447.3	1979	83 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
HUSSAR 025-20W4 (CONTINUED)								
GLAUCONITIC VVV	71.9	<0.01		0.1		0.1	0.1	
GLAUCONITIC B2B	71.8	0.10		7.2		7.2	1.5	5.7
GLAUCONITIC H2H	104.0	0.10		10.4		10.4	1.2	9.2
OSTRACOD C	79.5	0.02		1.6		1.6	1.6	
OSTRACOD H	49.3	0.01		0.5		0.5	0.5	
OSTRACOD P	125.0	<0.10		11.7		11.7	11.7	
OSTRACOD X	158.0	0.05		7.9		7.9	4.4	3.5
OSTRACOD BB	54.6	<0.01		0.3		0.3	0.3	
OSTRACOD CC	111.0	0.15		16.7		16.7	7.1	9.6
OSTRACOD FF	88.7	0.10		8.9		8.9	3.3	5.6
OSTRACOD GG	55.7	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE A	105.0	<0.04		3.6		3.6	3.6	
BASAL MANNVILLE C	222.0	0.10		22.2		22.2	14.9	7.3
BASAL MANNVILLE E	215.0	<0.02		2.8		2.8	2.8	
BASAL MANNVILLE G	226.0	<0.01		0.4		0.4	0.4	
BASAL MANNVILLE H	284.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE L	35.4	<0.08		2.7		2.7	2.7	
BASAL MANNVILLE M	300.0	0.10		30.0		30.0	27.4	2.6
BASAL MANNVILLE N	318.0	0.08		25.4		25.4	20.1	5.3
BASAL MANNVILLE O WATER FLOOD	1 910.0	0.10	0.05	191.0	95.5	287.0	194.0	93.0
BASAL MANNVILLE P	248.0	<0.05		12.3		12.3	12.3	
BASAL MANNVILLE Q	953.0	0.06		57.2		57.2	51.4	5.8
BASAL MANNVILLE Y	175.0	0.10		17.5		17.5	14.1	3.4
BASAL MANNVILLE KK	74.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE OO	488.0	0.10		48.8		48.8	27.5	21.3
BASAL MANNVILLE QQ	113.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE SS	651.0	<0.01		1.9		1.9	1.9	
BASAL MANNVILLE UU	71.7	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE I&Z	276.0	0.12		33.1		33.1	31.4	1.7
BASAL MANNVILLE AAA	1 228.0	0.02		24.6		24.6	4.9	19.7
BASAL QUARTZ B	221.0	0.10		22.1		22.1	3.0	19.1
PEKISKO B	143.0	<0.01		0.1		0.1	0.1	
HUTCH 112-22W5								
SLAVE POINT A	324.0	0.20		64.8		64.8	0.9	63.9
SLAVE POINT B	608.0	0.20		122.0		122.0	1.4	120.6
SLAVE POINT C	263.0	0.20		53.0		53.0	0.2	52.8
SLAVE POINT D	321.0	0.20		64.2		64.2		64.2
SLAVE POINT E	168.0	0.15		25.2		25.2		25.2
HYTHE 073-09W6								
HALFWAY A	409.0	0.10		40.9		40.9	8.0	32.9
HALFWAY B	119.0	0.10		11.9		11.9	5.3	6.6
HALFWAY C	330.0	0.10		33.0		33.0	6.7	26.3
HALFWAY D	121.0	0.10		12.1		12.1	1.7	10.4
HALFWAY E	266.0	0.10		26.6		26.6	1.1	25.5
HALFWAY F	419.0	0.10		41.9		41.9	7.3	34.6
INNISFAIL 034-01W5								
BELLY RIVER A	844.0	0.05		42.2		42.2	8.4	33.8
BELLY RIVER B	267.0	<0.01		0.2		0.2	0.2	
BELLY RIVER C	590.0	0.10		59.0		59.0	2.6	56.4
BLAIRMORE	88.5	<0.06		4.9		4.9	4.9	
D-3	19 700.0	0.65		12 800.0		12 800.0	11 933.4	866.6
IRON SPRINGS 011-20W4								
BOW ISLAND A	50.4	0.10		5.0		5.0	4.3	0.7
JAYAR 062-03W6								
DUNVEGAN A	3 450.0	0.10		345.0		345.0	123.4	221.6
DUNVEGAN B	233.0	0.10		23.3		23.3	14.6	8.7
DUNVEGAN C	229.0	0.10		22.9		22.9	10.9	12.0
DUNVEGAN D	191.0	0.10		19.1		19.1	1.8	17.3
JOAN 091-10W5								
GRANITE WASH A	139.0	0.20		27.8		27.8	3.8	24.0
GRANITE WASH B	183.0	0.20		36.6		36.6	2.0	34.6
JOARCAM 048-21W4								
VIKING TOTAL	42 500.0			16 030.0	2 540.0	18 560.0	16 243.0	2 317.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.40	0.150	0.34	0.81	79	847	46	11 506	1 380.2	1980	84 01 - SUSP 84 06
64	1.50	0.170	0.45	0.80	82	844	43	10 292	1 386.1	1984	84 12
64	2.00	0.190	0.48	0.82	56	857	45	9 963	1 426.0	1980	86 10
64	0.76	0.230	0.10	0.79	82	860	54	10 270	1 441.7	1959	68 03 - ABAND 61 09
16	2.44	0.200	0.21	0.79	82	860	46	10 270	1 397.2	1959	68 03 - ABAND 63 04
64	1.23	0.230	0.15	0.81	62	860	49	10 170	1 398.7	1965	81 12 - ABAND 88 05
64	2.16	0.250	0.42	0.79	64	865	37	10 100	1 291.7	1977	88 12
64	1.50	0.160	0.55	0.79	80	857	54	9 808	1 469.0	1980	83 01 - ABAND 82 10
64	2.00	0.180	0.40	0.80	56	857	41	9 358	1 399.9	1980	87 12
64	1.30	0.180	0.26	0.80	84	841	40	9 955	1 430.4	1984	85 05
64	1.00	0.200	0.50	0.87	50	854	38	9 784	1 279.5	1984	85 07 - ABAND 85 12
33	2.13	0.220	0.14	0.80	82	849	46	10 340	1 429.8	1957	68 03 - ABAND 63 07
64	2.74	0.200	0.21	0.80	82	849	47	10 340	1 467.3	1957	71 03 - GPP
32	6.40	0.168	0.23	0.80	82	849	44	10 140	1 418.5	1959	64 04 - SUSP 63 01
33	5.79	0.200	0.25	0.80	82	849	43	10 340	1 399.9	1960	64 04 - SUSP 62 03
32	7.32	0.200	0.25	0.80	82	849	43	10 000	1 417.3	1960	68 03 - ABAND 61 12
16	1.83	0.200	0.25	0.80	82	849	46	10 310	1 499.3	1958	77 07 - SUSP 83 12
146	2.16	0.170	0.30	0.80	82	849	44	10 170	1 417.9	1964	82 12 - GPP
133	2.13	0.200	0.30	0.80	82	849	42	10 200	1 421.3	1964	83 12 - GPP
357	6.13	0.176	0.38	0.80	81	849	44	10 100	1 414.6	1964	84 12 - GPP
65	4.57	0.150	0.30	0.80	82	849	44	10 140	1 426.2	1964	83 12 - ABAND 88 05
317	2.32	0.200	0.19	0.80	82	849	46	10 650	1 457.9	1959	82 12 - GPP
65	2.32	0.200	0.26	0.79	82	849	42	9 860	1 426.8	1959	86 12 - GPP
65	1.83	0.120	0.35	0.81	84	849	44	10 200	1 409.7	1969	70 08 - SUSP 70 01
80	9.17	0.160	0.48	0.80	61	877	37	10 180	1 440.9	1977	84 12
64	2.00	0.170	0.35	0.80	82	840	43	11 256	1 520.0	1979	83 12 - SUSP 81 04
64	11.50	0.170	0.35	0.80	63	865	39	8 727	1 499.7	1980	85 12 - SUSP 84 09
64	2.00	0.140	0.50	0.80	84	857	42	10 676	1 481.9	1980	84 12 - SUSP 83 08
50	4.78	0.190	0.24	0.80	84	849	38	10 340	1 441.7	1955	83 12 - GPP
128	12.46	0.150	0.41	0.87	52	861	49	9 995	1 417.3	1985	88 08
64	4.80	0.180	0.50	0.80	70	870	30	9 736	1 335.8	1981	83 02
64	5.00	0.080	0.32	0.82	75	854	47	10 169	1 441.5	1980	81 10 - ABAND 83 02
64	12.50	0.060	0.25	0.90	28	865	56	9 851	1 128.2	1985	86 03
64	18.57	0.072	0.21	0.90	42	883	40	9 659	1 126.8	1986	86 08
64	7.77	0.098	0.40	0.90	34	883	51	9 747	1 106.5	1987	87 12
64	10.80	0.067	0.23	0.90	36	867	39	9 901	1 136.3	1987	88 04
64	4.15	0.090	0.22	0.90	34	875	50	6 382	1 135.5	1987	88 05
128	7.14	0.090	0.28	0.69	149	829	64	22 263	2 260.5	1981	83 03 - GPP
64	5.50	0.063	0.20	0.67	155	825	62	21 888	2 203.0	1978	82 12 - GPP
128	5.36	0.093	0.25	0.69	250	827	75	22 360	2 178.8	1981	85 05
64	5.45	0.080	0.36	0.68	188	830	62	22 112	2 231.0	1979	86 02 - GPP
64	10.84	0.073	0.24	0.69	149	826	64	22 042	2 221.9	1985	87 05
64	11.62	0.109	0.25	0.69	149	823	64	22 125	2 254.3	1986	87 08
128	9.08	0.150	0.45	0.88	36	816	36	5 393	1 208.5	1982	86 12
64	6.15	0.140	0.45	0.88	36	815	43	4 937	1 195.4	1983	88 12 - ABAND 85 06
64	11.90	0.160	0.45	0.88	36	876	43	8 438	1 292.8	1983	84 05
16	4.88	0.200	0.15	0.66	154	834	78	16 800	2 053.7	1956	64 04 - SUSP 60 06
3 034	23.47	0.060	0.13	0.53	300	806	92	24 510	2 615.8	1957	86 12
64	0.93	0.150	0.40	0.94	25	876	21	5 558	868.3	1977	85 08 - GPP
758	9.10	0.110	0.30	0.65	185	752	66	23 965	2 330.1	1979	81 12
64	7.84	0.102	0.30	0.65	185	752	76	23 910	2 394.0	1981	81 12
64	8.73	0.097	0.35	0.65	155	832	74	21 739	2 488.3	1982	82 12
64	7.22	0.091	0.30	0.65	185		66	23 962	2 537.6	1981	81 06
64	3.30	0.153	0.50	0.86	48	828	38	15 273	1 481.3	1982	82 06
64	3.10	0.165	0.35	0.86	55	830	35	15 643	1 477.7	1982	83 05
9 035					34	834	36	6 000	990.0	1949	88 09

TABLE 2-4

	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
FIELD POOL	INITIAL VOLUME IN PLACE	PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL	CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
JOARCAM 048-21W4 (CONTINUED)								
PRIMARY AREA	17 020.0	0.38		6 468.0		6 468.0		
WATER FLOOD AREA	23 680.0	<0.37	0.10	8 835.0	2 485.0	11 320.0		
GAS CYCLING AREA	1 800.0	0.40	0.03	720.0	54.0	774.0		
VIKING C	115.0	0.05		5.8		5.8	4.4	1.4
WABAMUN A	146.0	<0.01		0.2		0.2	0.2	
JOFFRE 038-26W4								
VIKING TOTAL	14 800.0			2 490.0	3 670.0	6 160.0	5 818.0	342.0
PRIMARY AREA	325.0	0.15		48.0		48.0		
WATER FLOOD AREA	14 500.0	<0.17	0.26	2 440.0	3 670.0	6 110.0		
VIKING B	380.0	0.30		114.0		114.0	103.4	10.6
VIKING C	130.0	0.05		6.5		6.5	2.8	3.7
VIKING D	340.0	0.15		51.0		51.0	31.6	19.4
VIKING E	123.0	0.15		18.5		18.5	6.1	12.4
BLAIRMORE A	192.0	<0.04		5.8		5.8	5.8	
BLAIRMORE B	304.0	<0.11		32.8		32.8	32.8	
BLAIRMORE F	76.3	<0.04		2.5		2.5	2.5	
BLAIRMORE L	37.9	0.10		3.8		3.8	2.3	1.5
BLAIRMORE M	35.0	0.10		3.5		3.5	0.4	3.1
D-2 TOTAL	28 380.0			8 534.0	1 600.0	10 130.0	7 106.0	3 024.0
PRIMARY AREA	1 780.0	0.30		534.0		534.0		
WATER FLOOD AREA	26 600.0	0.30	0.06	8 000.0	1 600.0	9 600.0		
D-3 A	30.3	<0.05		1.3		1.3	1.3	
D-3 B	2 100.0	0.40		840.0		840.0	178.1	661.9
D-3 C	223.0	0.40		89.2		89.2	0.3	88.9
JOHNSON 017-14W4								
DETRITAL A	13.9	<0.02		0.2		0.2	0.2	
JOSEPHINE 083-09W6								
KISKATINAW B	149.0	<0.01		1.1		1.1	1.1	
JUDY CREEK 063-11W5								
VIKING A	6 000.0	0.15		900.0		900.0	738.8	161.2
VIKING D	307.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE A TOTAL	130 300.0			20 860.0	33 240.0	54 100.0	46 486.8	7 613.2
PRIMARY AREA	341.0	0.16		54.6		54.5		
SOLVENT FLOOD AREA	37 100.0	0.16	0.32	5 940.0	11 870.0	17 810.0		
WATER FLOOD AREA	92 900.0	0.16	0.23	14 860.0	21 370.0	36 230.0		
BEAVERHILL LAKE B TOTAL	41 840.0			8 314.0	10 680.0	18 990.0	15 589.6	3 400.4
PRIMARY AREA	537.0	0.10		53.7		53.7		
SOLVENT FLOOD AREA	3 250.0	0.20	0.36	650.0	1 170.0	1 820.0		
WATER FLOOD AREA	38 050.0	0.20	0.25	7 610.0	9 512.0	17 120.0		
BEAVERHILL LAKE C	275.0	0.20		55.0		55.0	31.4	23.6
JUDY CREEK SOUTH 062-11W5								
BEAVERHILL LAKE TOTAL	1 280.0			255.0	222.0	477.0	397.0	80.0
PRIMARY AREA	165.0	0.20		33.0		33.0		
WATER FLOOD AREA	1 110.0	0.20	0.20	222.0	222.0	444.0		
BEAVERHILL LAKE B	489.0	0.12		58.7		58.7	43.9	14.8
BEAVERHILL LAKE C	1 500.0	0.10		150.0		150.0	82.6	67.4
BEAVERHILL LAKE D	283.0	<0.01		0.5		0.5	0.5	
BEAVERHILL LAKE E	275.0	0.10		27.5		27.5	1.1	26.4
JUMPBUSH 020-19W4								
UPPER MANNVILLE A	2 820.0	0.10		282.0		282.0	111.0	171.0
UPPER MANNVILLE E	384.0	0.15		57.6		57.6	36.9	20.7
UPPER MANNVILLE F	256.0	<0.05		12.4		12.4	12.4	
UPPER MANNVILLE G	102.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE I	455.0	0.15		68.3		68.3	8.7	59.6
UPPER MANNVILLE J	539.0	0.15		80.9		80.9	3.5	77.4
UPPER MANNVILLE K	58.8	0.10		5.9		5.9	0.7	5.2
KAKUT 075-03W6								
CHARLIE LAKE A	360.0	0.15		54.0		54.0	21.9	32.1
CHARLIE LAKE B	1 000.0	0.25		250.0		250.0	47.8	202.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
4 276	3.12	0.197	0.28	0.90							
4 477	4.23	0.193	0.28	0.90							
282	5.00	0.197	0.28	0.90							
128	0.95	0.170	0.38	0.90	45	859	32	5 561	1 000.6	1965	84 11
64	6.50	0.075	0.45	0.85	64	836	40	7 403	1 188.8	1980	84 12 - SUSP 83 10
8 219					67	820	51	7 720	1 517.6	1953	79 08 - GPP
539	1.08	0.111	0.38	0.81							
7 680	3.39	0.111	0.38	0.81							
785	0.83	0.120	0.40	0.81	66	817	56	7 696	1 538.5	1955	85 12
128	1.55	0.120	0.34	0.83	70	817	30	8 296	1 603.4	1959	85 08
500	1.06	0.120	0.34	0.81	66	817	56	7 842	1 602.3	1981	88 12
128	3.00	0.070	0.43	0.80	99	820	44	9 132	1 559.5	1985	86 08
32	7.96	0.130	0.28	0.80	71	860	71	14 130	1 754.1	1958	64 04 - ABAND 70 06
162	2.44	0.130	0.25	0.79	76	860	67	14 550	1 733.1	1958	88 12 - ABAND 85 09
65	2.44	0.100	0.40	0.80	84	870	67	14 850	1 723.9	1975	75 12 - ABAND 87 08
64	1.46	0.080	0.35	0.78	91	878	69	14 465	1 733.8	1985	86 08
64	0.90	0.120	0.35	0.78	91	879	69	14 671	1 801.6	1987	88 10
11 083					130	815	77	17 510	2 134.2	1956	88 12 - GPP
740	6.78	0.060	0.19	0.73							
10 343	10.40	0.044	0.23	0.73							
64	0.90	0.080	0.10	0.73	110	824	79	15 441	2 212.5	1964	86 01 - ABAND 86 06
62	54.20	0.100	0.12	0.71	111	832	72	16 449	2 159.5	1985	88 04
64	9.00	0.060	0.14	0.75	111	832	74	16 098	2 120.8	1986	86 12
16	1.00	0.220	0.52	0.82	70	888	54	10 652	1 033.0	1983	83 10 - SUSP 83 10
64	4.90	0.097	0.30	0.70	150	904	51	15 130	1 749.7	1975	82 12 - SUSP 81 12
4 206	1.46	0.170	0.34	0.87	48	839	54	9 061	1 409.3	1969	83 05 - GPP
65	4.57	0.170	0.30	0.87	51	849	48	8 360	1 486.2	1977	83 12 - SUSP 78 01
11 684					122	820	96	24 200	2 650.9	1959	88 11
64	9.92	0.090	0.16	0.71							
3 316	20.84	0.090	0.16	0.71							
8 304	20.84	0.090	0.16	0.71							
4 602					184	815	97	24 820	2 695.0	1959	88 12
64	20.70	0.080	0.17	0.61							
448	15.57	0.092	0.17	0.61							
4 090	19.97	0.092	0.17	0.61							
128	6.96	0.060	0.17	0.62	184	815	97	24 073	2 789.4	1962	87 03
1 084					229	815	85	24 820	2 738.6	1960	88 12
128	4.60	0.060	0.18	0.57							
956	3.60	0.069	0.18	0.57							
400	4.47	0.050	0.23	0.71	112	815	89	25 350	2 707.5	1961	82 06
1 230	3.08	0.068	0.18	0.71	112	815	84	23 170	2 726.1	1971	85 12
128	8.50	0.050	0.35	0.80	176	828	92	24 086	2 699.5	1984	88 12 - SUSP 86 05
64	12.80	0.080	0.40	0.70	131	820	96	24 804	2 662.5	1985	86 06
341	6.20	0.210	0.25	0.85	75	876	41	11 940	1 368.0	1977	82 06
128	2.10	0.210	0.20	0.85	75	876	41	11 700	1 350.7	1977	82 06
64	4.62	0.160	0.30	0.80	93	865	39	11 980	1 344.3	1976	79 07 - SUSP 86 08
64	1.70	0.180	0.35	0.80	90	865	36	12 521	1 354.5	1980	88 12 - ABAND 88 07
64	4.30	0.240	0.18	0.84	72	861	40	11 317	1 303.2	1984	85 04
64	5.00	0.260	0.22	0.83	73	857	40	11 198	1 306.5	1987	87 08
64	0.80	0.180	0.25	0.85	80	871	48	11 832	1 342.1	1987	88 01
247	1.88	0.134	0.32	0.85	68	847	49	13 715	1 510.0	1982	85 11
655	1.15	0.195	0.14	0.79	86	813	63	13 070	1 414.6	1984	88 03

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
KAKWA 063-05W6								
MAIN CARDIUM A	1 593.0	0.10		159.0		159.0	36.4	122.6
MAIN CARDIUM C	34.6	<0.01		0.1		0.1	0.1	
A CARDIUM A TOTAL	5 460.0			819.0	680.0	1 499.0	741.5	757.5
PRIMARY AREA	1 880.0	0.15		282.0		282.0		
GAS FLOOD AREA	3 580.0	0.15	0.19	537.0	680.0	1 217.0		
C CARDIUM A	383.0	0.13		49.8		49.8	28.0	21.8
C CARDIUM B	324.0	0.12		38.9		38.9	15.7	23.2
C CARDIUM C	241.0	0.05		12.0		12.0	0.2	11.8
DUNVEGAN A	204.0	<0.01		0.8		0.8	0.8	
DUNVEGAN B	99.9	<0.02		1.7		1.7	1.7	
DUNVEGAN C	186.0	0.10		18.6		18.6	7.7	10.9
KARR 066-02W6								
DUNVEGAN A	137.0	<0.01		0.1		0.1	0.1	
DUNVEGAN C	218.0	0.10		21.8		21.8	0.6	21.2
KAYBOB 064-19W5								
GETHING C	186.0	<0.01		0.1		0.1	0.1	
GETHING D	205.0	<0.01		0.7		0.7	0.7	
GETHING E	1 790.0	0.05		89.5		89.5	6.8	82.7
GETHING F	406.0	0.10		40.6		40.6	2.2	38.4
GETHING G	97.8	0.10		9.8		9.8	0.4	9.4
GETHING I	33.3	0.10		3.3		3.3	0.2	3.1
GETHING K	5 760.0	<0.02		80.0		80.0	74.1	5.9
GETHING L	72.9	0.10		7.3		7.3	6.0	1.3
TRIASSIC A	53.3	0.15		8.0		8.0	0.9	7.1
NISKU C	1 100.0	<0.01		7.5		7.5	7.5	
BEAVERHILL LAKE A TOTAL	44 000.0			7 040.0	11 780.0	18 820.0	16 077.1	2 742.9
SOLVENT FLOOD AREA	20 000.0	0.16	0.30	3 200.0	6 020.0	9 220.0		
WATER FLOOD AREA	24 000.0	0.16	0.24	3 840.0	5 760.0	9 600.0		
BEAVERHILL LAKE B	1 270.0	0.16		203.0		203.0	118.0	85.0
KAYBOB SOUTH 060-19W5								
DUNVEGAN A	174.0	<0.02		2.4		2.4	2.4	
DUNVEGAN B	808.0	0.03		24.2		24.2	14.9	9.3
BLUESKY A	63.9	<0.01		0.6		0.6	0.6	
GETHING C	98.7	<0.01		0.4		0.4	0.4	
TRIASSIC A TOTAL	34 910.0			5 894.0	11 910.0	17 800.0	12 622.8	5 177.2
PRIMARY AREA	611.0	0.17		104.0		104.0		
SOLVENT FLOOD AREA	14 500.0	0.17	0.44	2 420.0	6 380.0	8 800.0		
WATER FLOOD AREA	19 800.0	0.17	0.30	3 370.0	5 530.0	8 900.0		
KEHO 011-22W4								
COLORADO A	388.0	0.10		38.8		38.8	27.6	11.2
BOW ISLAND C	345.0	<0.02		5.4		5.4	5.4	
BOW ISLAND F	276.0	0.10		27.6		27.6	12.3	15.3
BOW ISLAND G TOTAL	413.0			41.3	75.8	117.0	32.6	84.4
PRIMARY AREA	34.0	0.10		3.4		3.4		
WATER FLOOD AREA	379.0	0.10	0.20	37.9	75.8	114.0		
BOW ISLAND H	100.0	0.10		10.0		10.0	3.8	6.2
ELKTON A	192.0	0.08		15.4		15.4	10.4	5.0
PEKISKO A	242.0	<0.02		2.7		2.7	2.7	
KELSEY 044-18W4								
LOWER MANNVILLE A	103.0	<0.01		0.2		0.2	0.2	
KIDNEY 092-05W5								
SLAVE POINT A	246.0	0.15		36.9		36.9	0.8	36.1
SLAVE POINT B	331.0	0.10		33.1		33.1	0.1	33.0
SLAVE POINT C	252.0	0.05		12.6		12.6		12.6
KEG RIVER A	1 073.0	0.25		268.0		268.0	42.8	225.2
KEG RIVER B	860.0	0.25		215.0		215.0	52.3	162.7
KEG RIVER C	579.0	0.25		145.0		145.0	32.0	113.0
KEG RIVER D	273.0	0.25		68.3		68.3	14.3	54.0
KEG RIVER E	345.0	0.25		86.3		86.3	18.1	68.2
KEG RIVER G	424.0	0.25		106.0		106.0	19.3	86.7
KEG RIVER I	553.0	0.25		138.0		138.0	24.8	113.2
KEG RIVER J	793.0	0.25		198.0		198.0	36.4	161.6
KEG RIVER K	154.0	0.25		38.5		38.5	6.6	31.9
KEG RIVER L	595.0	0.25		149.0		149.0	12.8	136.2
KEG RIVER M	564.0	0.20		113.0		113.0	12.4	100.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
448	6.28	0.110	0.22	0.66	192	790	53	20 248	1 856.4	1987	88 05
64	1.41	0.086	0.28	0.62	132	798	53	20 209	1 757.6	1979	81 07 - SUSP 83 08
3 840					254	794	52	21 248	1 826.1	1978	87 08
1 664	2.11	0.113	0.21	0.60							
2 176	2.80	0.124	0.21	0.60							
320	1.83	0.130	0.15	0.59	253	780	52	21 213	1 822.5	1979	88 04
204	2.61	0.120	0.16	0.59	268	790	55	20 558	1 785.6	1980	85 02
64	9.48	0.100	0.37	0.63	192	775	51	13 261	1 737.4	1957	88 05
64	7.00	0.100	0.30	0.65	185		67	23 990	2 453.5	1980	88 06 - ABAND 87 11
64	5.20	0.110	0.58	0.65	160	811	74	23 130	2 346.1	1981	88 12 - ABAND 87 11
64	5.10	0.120	0.35	0.73	119	830	67	23 860	2 436.8	1980	86 11
64	3.62	0.120	0.40	0.82	72	837	49	12 923	1 627.9	1984	86 01 - SUSP 85 10
64	5.54	0.121	0.38	0.82	68	847	48		1 834.7	1986	88 01
64	6.70	0.100	0.49	0.85	48	885	71	14 178	1 754.2	1981	83 12 - SUSP 82 09
64	2.70	0.170	0.17	0.84	96	874	60	14 175	1 753.9	1981	84 12 - SUSP 83 03
128	14.40	0.170	0.32	0.84	64	874	60	14 397	1 841.0	1985	87 05
64	7.49	0.155	0.35	0.84	70	889	24	14 551	1 828.9	1985	86 09
64	2.00	0.140	0.35	0.84	64	898	60	14 606	1 834.8	1986	87 01 - SUSP 86 11
16	2.20	0.150	0.30	0.90	34	941	54	14 768	1 760.1	1986	88 01
1 040	5.82	0.160	0.30	0.85	57	887	73	14 480	1 810.5	1962	83 12 - GPP
45	1.83	0.160	0.30	0.79	56	892	66	14 200	1 740.6	1966	83 12 - GPP
64	1.24	0.137	0.30	0.70	117	828	79	16 725	1 924.1	1986	86 10
64	36.00	0.072	0.15	0.78	100	837	74	13 880	2 541.5	1978	85 07 - ABAND 86 02
6 820					199	811	113	31 920	2 980.9	1957	88 12
3 010	17.88	0.074	0.19	0.62							
3 810	18.85	0.070	0.23	0.62							
501	8.78	0.064	0.26	0.61	435	797	109	30 270	2 949.5	1961	76 08
64	3.64	0.160	0.40	0.78	94	830	60	12 410	1 618.4	1977	79 11 - ABAND 83 01
256	4.33	0.130	0.34	0.85	82	831	55	13 710	1 658.6	1976	86 12 - GPP
65	1.52	0.120	0.28	0.75	103	829	82	12 800	2 024.8	1976	83 12 - ABAND 80 02
64	3.06	0.120	0.40	0.70	156	824	82	14 451	2 077.8	1979	84 12 - SUSP 84 09
8 652					123	815	86	17 450	2 095.5	1963	87 12
338	2.20	0.130	0.11	0.71							
3 249	6.73	0.105	0.11	0.71							
5 065	5.89	0.105	0.11	0.71							
256	1.25	0.187	0.28	0.90	24	870	38	7 580	1 133.2	1974	75 09 - GPP
65	6.95	0.163	0.50	0.94	20	839	49	3 480	1 175.6	1975	88 12 - ABAND 84 03
128	2.90	0.150	0.45	0.90	27	819	31	3 866	991.9	1981	86 04
270					27	873	31	5 604	957.5	1984	88 01
64	0.59	0.135	0.30	0.95							
206	2.05	0.135	0.30	0.95							
125	1.20	0.100	0.30	0.95	25	855	32	3 871	1 045.0	1978	88 12 - GPP
64	3.05	0.160	0.14	0.71	128	839	42	14 840	1 550.2	1973	83 12 - GPP
64	19.00	0.030	0.15	0.78	92	878	50	18 777	1 902.5	1979	83 12 - ABAND 83 10
64	1.50	0.210	0.40	0.85	58	856	42	7 188	1 129.7	1982	83 06 - SUSP 83 12
64	12.50	0.060	0.41	0.87	53	827	33	14 050	1 056.5	1987	87 01
64	14.80	0.067	0.40	0.87	52	850	34	13 877	1 036.6	1986	86 02
64	6.80	0.090	0.26	0.87	57	822	38	7 536	1 037.0	1987	88 09
320	10.50	0.055	0.34	0.88	47	829	40	13 842	1 291.1	1985	87 08
384	6.08	0.059	0.29	0.88	43	825	39	13 956	1 350.9	1985	87 03
192	9.92	0.048	0.28	0.88	43	818	36	14 043	1 433.8	1986	87 03
64	8.22	0.092	0.36	0.88	42	835	39	13 798	1 323.3	1986	86 06
64	14.97	0.066	0.39	0.88	44	835	39	13 925	1 425.2	1986	86 06
128	8.84	0.060	0.29	0.88	43	835	39	13 901	1 329.6	1986	88 02
192	7.44	0.063	0.31	0.89	23	835	39	14 129	1 344.3	1986	88 01
256	9.36	0.057	0.34	0.88	45	835	38	14 056	1 475.2	1986	87 12
64	6.81	0.055	0.27	0.88	47	835	40	13 926	1 337.9	1986	86 12
256	8.30	0.054	0.43	0.91	43	854	41	14 534	1 431.3	1986	88 07
192	7.29	0.079	0.42	0.88	47	829	40	13 317	1 316.2	1986	88 02

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
KIDNEY 092-05W5 (CONTINUED)								
KEG RIVER N	42.8	0.25		10.7		10.7	0.6	10.1
KEG RIVER O	323.0	0.25		80.8		80.8	8.6	72.2
KEG RIVER P	239.0	0.25		59.8		59.8	6.9	52.9
KEG RIVER Q	265.0	0.25		66.3		66.3	8.9	57.4
KEG RIVER R	65.1	0.25		16.3		16.3	2.8	13.5
KEG RIVER S	58.5	0.25		14.6		14.6	2.9	11.7
KEG RIVER T	129.0	0.25		32.3		32.3	5.4	26.9
KEG RIVER U	134.0	0.15		20.1		20.1	1.3	18.8
KEG RIVER V	63.4	0.25		15.9		15.9	6.1	9.8
KEG RIVER W	519.0	0.25		130.0		130.0	7.5	122.5
KEG RIVER X	177.0	0.25		44.3		44.3	1.1	43.2
KEG RIVER Y	764.0	0.25		191.0		191.0	19.6	171.4
KEG RIVER AA	136.0	0.25		34.0		34.0	3.5	30.5
KEG RIVER BB	1 279.0	0.25		320.0		320.0	45.8	274.2
KEG RIVER CC	506.0	0.25		127.0		127.0	16.7	110.3
KEG RIVER DD	169.0	0.25		42.3		42.3	7.3	35.0
KEG RIVER EE	128.0	0.25		32.0		32.0	4.2	27.8
KEG RIVER FF	67.8	0.25		17.0		17.0	3.9	13.1
KEG RIVER GG	128.0	0.25		32.0		32.0	0.6	31.4
KEG RIVER HH	125.0	0.25		31.3		31.3	1.3	30.0
KEG RIVER II	105.0	0.25		26.3		26.3	3.1	23.2
KEG RIVER KK	109.0	0.25		27.3		27.3	1.8	25.5
KEG RIVER LL	116.0	0.25		29.0		29.0		29.0
KEG RIVER QQ	149.0	0.25		37.3		37.3	3.2	34.1
KILLAM 043-10W4								
UPPER VIKING B	318.0	0.15		47.7		47.7	46.3	1.4
UPPER VIKING C	44.8	0.10		4.5		4.5	3.5	1.0
UPPER VIKING D	28.4	<0.02		0.5		0.5	0.5	
UPPER VIKING E	70.0	<0.01		0.3		0.3	0.3	
UPPER VIKING H	388.0	0.10		38.8		38.8	11.6	27.2
GLAUCONITIC S	1 900.0	0.40		760.0		760.0	361.8	398.2
GLAUCONITIC FF	1 415.0	0.40		566.0		566.0	168.1	397.9
KITTY 086-12W5								
SLAVE POINT A	207.0	0.10		20.7		20.7	7.3	13.4
SLAVE POINT B	408.0	0.30		122.0		122.0	35.0	87.0
SLAVE POINT C	333.0	0.30		99.9		99.9	36.8	63.1
SLAVE POINT D	55.0	0.30		16.5		16.5	2.4	14.1
SLAVE POINT E	134.0	<0.02		2.0		2.0	2.0	
SLAVE POINT F	103.0	0.10		10.3		10.3	1.9	8.4
SLAVE POINT G	34.7	0.30		10.4		10.4	4.3	6.1
SLAVE POINT H	40.0	0.30		12.0		12.0	0.6	11.4
GRANITE WASH A	83.7	0.15		12.6		12.6	5.6	7.0
GRANITE WASH B	121.0	0.20		24.2		24.2	0.4	23.8
KNAPPEN 001-11W4								
LOWER MANNVILLE A	429.0	0.10		42.9		42.9	38.6	4.3
LOWER MANNVILLE B	278.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE C	378.0	0.08		30.4		30.4	22.6	7.8
LOWER MANNVILLE F	229.0	0.05		11.5		11.5	5.5	6.0
KNOPCIK 074-10W6								
CHARLIE LAKE A	153.0	0.10		15.3		15.3	0.6	14.7
CHARLIE LAKE C	117.0	0.10		11.7		11.7	1.2	10.5
HALFWAY A	193.0	0.10		19.3		19.3	0.6	18.7
LA GLACE 074-08W6								
CHARLIE LAKE A	86.9	0.05		4.3		4.3	0.1	4.2
BOUNDARY A	222.0	0.20		44.4		44.4	40.7	3.7
LACOMBE 039-25W4								
NISKU A	113.0	0.13		14.7		14.7	13.5	1.2
NISKU B	75.6	0.10		7.6		7.6	4.5	3.1
NISKU C	176.0	0.20		35.2		35.2	22.0	13.2
NISKU D	204.0	0.25		51.0		51.0	8.7	42.3
LANAWAY 036-03W5								
CARDIUM	2 920.0	0.10		292.0		292.0	193.6	98.4
CARDIUM B	292.0	<0.01		0.6		0.6	0.6	
CARDIUM C	732.0	0.05		36.6		36.6	30.2	6.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.09	0.056	0.35	0.88	43	838	39	13 391	1 406.6	1986	87 01 - SUSP 87 05
64	12.45	0.061	0.27	0.91	32	831	39	14 159	1 339.7	1985	87 02
64	11.20	0.060	0.39	0.91	32	834	41	13 314	1 329.1	1985	87 02
128	5.97	0.056	0.32	0.91	45	835	39	14 311	1 374.1	1986	88 07
64	4.73	0.043	0.45	0.91	32	835	39	14 492	1 331.6	1986	87 02
64	2.80	0.053	0.30	0.88	43	818	39	14 217	1 417.6	1986	87 03
64	5.18	0.066	0.35	0.91	32	821	39	7 322	1 395.0	1986	87 03
64	6.44	0.066	0.44	0.88	31	836	36	13 695	1 309.8	1986	87 04
64	3.05	0.051	0.30	0.91	32	821	39	13 872	392.8	1987	87 05
128	12.80	0.053	0.33	0.89	41	818	39	14 243	1 478.8	1987	88 04
64	5.80	0.086	0.37	0.88	47	835	40	13 550	1 274.9	1987	87 07
320	8.59	0.047	0.35	0.91	32	824	39	14 322	1 497.0	1987	88 06
64	7.80	0.045	0.32	0.89	41	835	39	13 379	1 310.5	1987	87 12
469	5.36	0.076	0.28	0.93	23	70	39		1 476.2	1987	88 11
256	6.45	0.051	0.34	0.91	41	841	39	13 368	1 494.7	1987	87 12
64	7.90	0.056	0.33	0.89	41	835	39	13 830	1 483.7	1986	88 01
128	3.51	0.049	0.34	0.88	35	835	39	14 288	1 492.3	1986	88 04
64	4.50	0.420	0.37	0.89	41	835	39	13 165	1 303.0	1987	88 07
64	7.80	0.040	0.28	0.89	41	842	39	13 423	1 470.0	1987	88 02
64	6.00	0.050	0.27	0.89	41	842	39	13 820	1 466.9	1987	88 02
64	5.50	0.050	0.32	0.88	32	824	39	14 161	1 503.4	1987	88 04
64	3.40	0.075	0.25	0.89	32	819	35	14 611	1 468.4	1987	88 06
64	4.80	0.058	0.27	0.89	41	820	39	14 260	1 472.3	1987	88 06
64	6.26	0.061	0.33	0.91	32	824	39	14 512	1 509.7	1987	88 07
244	1.16	0.190	0.35	0.91	38	849	27	5 582	783.3	1958	75 12 - GPP
32	1.22	0.250	0.50	0.91	39	849	28	5 630	788.2	1971	83 12
32	1.30	0.150	0.50	0.91	39	887	37	5 020	788.5	1971	79 06 - SUSP 85 01
64	1.50	0.160	0.50	0.91	39	854	34	6 220	817.3	1979	79 10 - SUSP 85 02
160	2.15	0.210	0.41	0.91	26	851	36	4 315	795.5	1981	84 11
151	5.93	0.268	0.14	0.92	39	860	34	6 100	949.3	1979	87 12
112	5.91	0.264	0.12	0.92	39	910	34	6 250	947.1	1982	87 09
64	9.23	0.050	0.23	0.91	31	829	46	15 523	1 533.9	1985	87 12
192	4.50	0.070	0.25	0.90	33	835	45	16 113	1 504.5	1982	86 03
64	7.19	0.098	0.17	0.89	35	836	44	15 981	1 533.2	1984	84 08
64	3.00	0.045	0.30	0.91	30		38	15 415	1 538.5	1980	81 02
64	8.80	0.045	0.42	0.91	32	857	38	15 522	1 478.3	1982	88 12 - SUSP 86 03
64	3.90	0.070	0.35	0.91	32	837	38	15 983	1 532.3	1980	87 12
64	1.52	0.065	0.39	0.90	33	794	40	15 335	1 529.5	1987	88 12
64	3.20	0.035	0.38	0.90	38	834	27	15 019	1 484.3	1986	86 05
64	1.40	0.160	0.27	0.80	76	832	54	15 726	1 562.7	1983	84 06
64	2.50	0.150	0.44	0.90	31	837	43	16 073	1 563.5	1986	87 02
128	2.28	0.210	0.27	0.96	10	835	32	9 268	895.5	1956	87 03 - GPP
65	2.44	0.250	0.20	0.88	42	829	28	6 840	831.8	1966	83 12 - SUSP 76 02
130	1.52	0.250	0.20	0.96	18	844	34	6 030	814.4	1972	73 12 - GPP
64	3.70	0.200	0.45	0.88	51	830	29	6 500	810.9	1975	83 12 - GPP
64	2.87	0.170	0.30	0.70	120	821	76	8 369	2 116.9	1981	88 06
64	1.70	0.165	0.15	0.77	100	829	73	9 911	2 316.2	1987	88 09
64	7.99	0.084	0.35	0.69	149	807	64	21 668	2 201.7	1982	88 03
64	2.10	0.100	0.16	0.77	100	829	73	21 245	1 899.3	1987	88 03
128	1.81	0.150	0.15	0.75	126	825	74	21 407	1 927.0	1959	88 03 - GPP
64	6.18	0.060	0.32	0.70			70		1 992.8	1958	78 12 - GPP
64	4.20	0.055	0.30	0.73	105	810	73	16 478	1 984.3	1982	85 03 - GPP
128	3.05	0.076	0.15	0.70	143	822	67	17 025	1 972.2	1982	85 03 - GPP
64	5.20	0.120	0.30	0.73	110	825	74	18 164	2 070.3	1986	87 11
1 869	2.35	0.110	0.28	0.84	53	825	54	15 314	1 807.5	1960	82 07
129	3.66	0.090	0.22	0.88	53	839	54		1 773.6	1973	73 12 - ABAND 73 11
256	4.30	0.110	0.28	0.84	53	825	54	20 430	1 776.9	1960	86 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LANAWAY 036-03W5 (CONTINUED)								
CARDIUM D	92.9	0.10		9.3		9.3	2.5	6.8
CARDIUM E	47.9	0.10		4.8		4.8	1.3	3.5
SECOND WHITE SPECKS A	334.0	0.04		13.4		13.4	11.4	2.0
VIKING B	98.8	0.10		9.9		9.9	3.5	6.4
MANNVILLE	3 500.0	0.10		350.0		350.0	207.4	142.6
MANNVILLE B	320.0	0.05		16.0		16.0	6.3	9.7
MANNVILLE C	23.0	<0.02		0.3		0.3	0.3	
MANNVILLE D	145.0	0.10		14.5		14.5	8.5	6.0
MANNVILLE E	391.0	0.03		11.7		11.7	1.3	10.4
MANNVILLE F	223.0	<0.01		0.3		0.3	0.3	
MANNVILLE G	108.0	0.10		10.8		10.8	2.1	8.7
GLAUCONITIC A & BASAL QUARTZ A	229.0	<0.01		1.0		1.0	1.0	
ELKTON A	1 200.0	0.03		36.0		36.0	9.8	26.2
PEKISKO A	101.0	0.10		10.1		10.1	2.7	7.4
D-2 A	243.0	0.20		48.6		48.6	16.3	32.3
D-3 A	245.0	<0.01		2.4		2.4	2.4	
LARNE 116-03W6								
MUSKEG B	144.0	<0.07		9.1		9.1	9.1	
KEG RIVER A	350.0	0.20		70.0		70.0	19.1	50.9
KEG RIVER B	340.0	0.10		34.0		34.0	24.0	10.0
KEG RIVER C	718.0	0.07		50.3		50.3	46.1	4.2
KEG RIVER D	397.0	0.20		79.4		79.4	62.7	16.7
KEG RIVER E	338.0	0.20		67.7		67.7	52.1	15.6
KEG RIVER F	127.0	<0.09		10.7		10.7	10.7	
KEG RIVER G	284.0	0.20		56.8		56.8	42.2	14.6
KEG RIVER H	413.0	<0.03		11.8		11.8	11.8	
KEG RIVER I	478.0	<0.05		19.6		19.6	19.6	
KEG RIVER J	510.0	<0.02		7.7		7.7	7.7	
KEG RIVER K	397.0	0.15		59.6		59.6	53.1	6.5
KEG RIVER L	292.0	<0.04		9.4		9.4	9.4	
KEG RIVER M	280.0	<0.03		8.0		8.0	8.0	
KEG RIVER N	238.0	<0.07		14.5		14.5	14.5	
KEG RIVER O	143.0	<0.19		26.9		26.9	26.9	
KEG RIVER P	346.0	0.04		13.9		13.9	13.9	
KEG RIVER Q	159.0	<0.07		10.6		10.6	10.6	
KEG RIVER R	159.0	<0.19		30.2		30.2	30.2	
KEG RIVER S	600.0	0.03		18.0		18.0	11.7	6.3
KEG RIVER T	1 100.0	<0.01		2.9		2.9	2.9	
KEG RIVER U	168.0	<0.04		5.2		5.2	5.2	
KEG RIVER V	420.0	0.10		42.0		42.0	12.2	29.8
KEG RIVER W	272.0	0.15		40.8		40.8	3.4	37.4
KEG RIVER X	79.3	<0.06		4.5		4.5	4.5	
KEG RIVER Y	372.0	0.10		37.2		37.2	2.3	34.9
KEG RIVER Z	160.0	0.10		16.0		16.0	3.9	12.1
KEG RIVER AA	100.0	0.25		25.0		25.0	1.7	23.3
KEG RIVER BB	321.0	0.25		80.3		80.3	2.8	77.5
KEG RIVER CC	120.0	0.25		30.0		30.0	8.9	21.1
KEG RIVER DD	235.0	0.25		58.8		58.8	6.8	52.0
KEG RIVER EE	190.0	0.25		47.5		47.5	9.3	38.2
KEG RIVER FF	70.0	0.25		17.5		17.5	2.7	14.8
KEG RIVER GG	86.8	0.25		21.7		21.7	3.5	18.2
KEG RIVER HH	150.0	0.25		37.5		37.5	10.3	27.2
KEG RIVER II	206.0	0.10		20.6		20.6	1.2	19.4
KEG RIVER JJ	172.0	0.25		43.0		43.0	4.4	38.6
KEG RIVER KK	110.0	0.25		27.5		27.5	3.6	23.9
KEG RIVER LL	2 562.0	0.20		512.0		512.0	8.8	503.2
KEG RIVER NN	418.0	0.15		62.7		62.7	0.5	62.2
LATOR 063-02W6								
DUNVEGAN A	1 540.0	0.10		154.0		154.0	125.3	28.7
DUNVEGAN B	184.0	0.10		18.4		18.4	0.4	18.0
LATORNELL 063-01W6								
DUNVEGAN A	1 310.0	<0.01		1.3		1.3	1.3	
LEAHURST 039-18W4								
VIKING E	293.0	<0.01		0.1		0.1		0.1
MANNVILLE C	70.9	<0.02		1.0		1.0	1.0	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	1.00	0.120	0.28	0.84	52	841	58	21 777	1 819.5	1984	86 01
64	1.80	0.080	0.35	0.80	89	822	59	23 123	1 820.8	1982	83 11
65	8.53	0.120	0.30	0.72	89	865	59	21 900	1 860.0	1977	83 12 - GPP
64	2.80	0.105	0.30	0.75	100	833	63	9 081	1 947.4	1987	88 03
840	6.60	0.110	0.25	0.76	71	876	60	16 690	2 274.9	1959	83 11
64	6.80	0.124	0.22	0.76	76	853	76	18 783	2 320.5	1981	84 01
64	1.00	0.090	0.50	0.80	80	853	64	10 266	2 298.5	1981	82 06 - ABAND 86 12
64	3.70	0.120	0.25	0.68	134	861	72	18 653	2 294.2	1981	83 03
64	15.90	0.100	0.52	0.80	100	892	66	18 420	2 356.3	1982	84 12
64	6.00	0.150	0.43	0.68	152	843	82	16 123	2 237.8	1980	84 07 - SUSP 83 04
64	2.10	0.125	0.20	0.80	93	880	45	18 629	2 291.2	1986	87 04
128	4.07	0.090	0.39	0.80	82	874	60	16 680	2 229.0	1979	82 05 - SUSP 85 02
261	7.00	0.120	0.27	0.75	103	904	74	18 150	2 395.8	1974	88 01
64	5.26	0.060	0.35	0.77	99	876	64	17 499	2 267.3	1977	84 03
64	10.70	0.055	0.14	0.75	95	810	75	23 760	2 866.2	1985	86 07
65	7.92	0.100	0.15	0.56	261	788	82	24 240	2 923.3	1964	73 02 - SUSP 72 09
35	17.68	0.040	0.35	0.90	35	898	64	13 650	1 407.3	1973	88 12 - SUSP 86 03
12	51.90	0.078	0.20	0.90	22	887	69	13 470	1 429.8	1969	86 02
17	37.45	0.075	0.20	0.89	37	898	61	13 460	1 415.8	1968	83 12 - GPP
16	60.96	0.092	0.10	0.88	46	898	61	13 710	1 427.1	1968	81 12 - GPP
9	72.10	0.089	0.21	0.87	38	876	70	13 800	1 467.3	1968	83 01
17	39.93	0.071	0.20	0.88	31	876	72	13 470	1 425.2	1969	73 12
21	29.75	0.032	0.30	0.89	37	892	61	12 890	1 399.6	1969	88 12 - SUSP 88 12
13	47.61	0.061	0.15	0.89	35	898	63	13 410	1 410.3	1969	83 12
14	56.93	0.071	0.18	0.89	27	887	62	13 090	1 417.6	1971	88 12 - SUSP 85 01
13	47.37	0.098	0.10	0.88	39	881	62	13 070	1 409.1	1971	81 12 - SUSP 79 12
15	42.34	0.107	0.13	0.89	35	887	61	12 450	1 421.3	1971	83 12 - SUSP 80 02
13	48.62	0.083	0.18	0.90	35	887	61	13 310	1 408.2	1972	85 12 - GPP
11	58.61	0.066	0.22	0.88	43	887	50	13 130	1 444.4	1971	86 12 - SUSP 85 01
12	38.60	0.084	0.18	0.88	35	892	64	13 170	1 413.7	1972	84 12 - SUSP 85 11
27	22.77	0.055	0.20	0.88	33	892	54	14 320	1 397.2	1972	81 12 - SUSP 80 04
7	40.14	0.064	0.15	0.90	31	904	64	14 820	1 406.7	1971	86 12 - SUSP 85 03
16	38.10	0.078	0.20	0.90	35	910	70	13 360	1 410.6	1972	88 12 - SUSP 86 03
14	17.98	0.078	0.11	0.90	27	904	63	13 560	1 411.8	1971	81 12 - ABAND 82 02
25	18.17	0.049	0.20	0.89	45	881	62	13 830	1 413.4	1969	88 12 - SUSP 86 01
28	57.33	0.070	0.40	0.89	22	869	80	13 622	1 445.5	1982	88 07
64	43.50	0.060	0.25	0.88	38	920	61	13 566	1 416.5	1983	88 12 - ABAND 86 12
19	23.10	0.050	0.13	0.88	38	909	61	12 887	1 408.5	1983	88 12 - SUSP 86 05
11	51.70	0.114	0.25	0.88	38	894	61	12 615	1 408.3	1983	85 12 - GPP
14	24.30	0.100	0.12	0.88	47	919	62	13 241	1 408.9	1984	85 06 - SUSP 87 11
12	19.50	0.050	0.23	0.88	43	884	48	13 026	1 415.4	1972	85 12 - SUSP 86 05
64	11.00	0.075	0.20	0.88	32	889	72	13 306	1 426.5	1985	86 06
14	28.01	0.060	0.20	0.85	54	880	59	13 323	1 445.8	1985	87 01
16	18.14	0.045	0.13	0.88	35	900	54	12 653	1 401.2	1985	86 02
64	19.00	0.040	0.25	0.88	35	917	57	12 796	1 407.5	1985	86 03
13	17.63	0.070	0.15	0.88	37	894	62	13 474	1 431.3	1985	87 12
14	29.77	0.072	0.11	0.88	35	898	79	12 430	1 395.0	1985	87 01
32	19.84	0.040	0.15	0.88	32	878	65	13 527	1 418.0	1985	87 01
13	16.00	0.045	0.15	0.88	35	804	63	13 125	1 407.0	1985	86 05
41	14.88	0.021	0.23	0.88	35	907	63	12 815	1 407.5	1985	86 07
30	20.21	0.037	0.24	0.88	35	892	63	12 896	1 400.8	1986	87 01
64	30.00	0.020	0.39	0.88	35	891	63	13 618	1 409.0	1986	87 01 - SUSP 86 11
37	16.51	0.040	0.20	0.88	35	899	63	13 044	1 400.3	1986	87 01
64	12.00	0.025	0.35	0.88	35	881	77	13 234	1 416.0	1986	86 09
64	81.70	0.064	0.13	0.88	47	893	62	14 764	1 461.4	1987	87 12
64	17.00	0.056	0.22	0.88	47	27	62	13 415	1 426.1	1987	88 05
612	2.83	0.174	0.30	0.73	119	829	67	22 830	2 162.0	1957	71 04
64	6.73	0.091	0.30	0.67	200	830	82	24 470	2 401.7	1979	80 06
192	10.54	0.125	0.30	0.74	119	830	67	12 172	1 934.1	1985	86 05 - SUSP 86 04
64	7.40	0.125	0.45	0.90	35	876	43	6 545	1 100.9	1982	88 12 - SUSP 83 01
64	0.92	0.210	0.40	0.95	18	892	44	10 480	1 262.8	1974	84 12 - SUSP 84 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
LEAHURST 039-18W4 (CONTINUED)								
MANNVILLE M	153.0	0.10		15.3		15.3	3.1	12.2
BASAL QUARTZ A	110.0	0.05		5.5		5.5	1.6	3.9
BASAL QUARTZ B	45.9	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	137.0	<0.01		1.2		1.2	1.2	
BASAL QUARTZ E	188.0	0.10		18.8		18.8	0.2	18.6
LEAMAN 055-12W5								
LOWER MANNVILLE G	359.0	0.10		35.9		35.9	16.1	19.8
LOWER MANNVILLE M	152.0	0.10		15.2		15.2	4.2	11.0
ROCK CREEK A	134.0	0.10		13.4		13.4	2.1	11.3
NORDEGG A	383.0	0.10		38.3		38.3	0.8	37.5
NORDEGG C	1 600.0	0.15		240.0		240.0	33.1	206.9
LEDUC-WOODBEND 050-26W4								
BLAIRMORE A	1 450.0	0.20		290.0		290.0	278.9	11.1
BLAIRMORE B	27.3	<0.08		2.1		2.1	2.1	
BLAIRMORE C	63.1	<0.01		0.1		0.1	0.1	
BLAIRMORE D	404.0	<0.03		9.8		9.8	9.8	
BLAIRMORE E	605.0	<0.04		23.3		23.3	23.3	
BLAIRMORE G	130.0	<0.01		0.7		0.7	0.7	
BLAIRMORE H	37.8	<0.02		0.4		0.4	0.4	
BLAIRMORE J	1 330.0	0.47		625.0		625.0	586.9	38.1
BLAIRMORE K	307.0	<0.14		41.9		41.9	41.9	
BLAIRMORE Q	403.0	0.05		20.2		20.2	3.9	16.3
BLAIRMORE CC	256.0	0.02		5.1		5.1	1.0	4.1
BLAIRMORE GG	145.0	<0.01		0.2		0.2	0.2	
BLAIRMORE KK	248.0	<0.01		1.5		1.5	1.5	
BLAIRMORE NN	496.0	0.05		24.8		24.8	1.8	23.0
BLAIRMORE QQ	191.0	0.10		19.1		19.1	1.1	18.0
GLAUCONITIC A	305.0	0.10		30.5		30.5	1.6	28.9
D-1 A	159.0	<0.03		4.0		4.0	4.0	
D-1 B	54.7	<0.18		9.8		9.8	9.8	
D-2 A WATER FLOOD	32 700.0	<0.34	0.10	10 900.0	3 270.0	14 200.0	14 122.9	77.1
D-2 B	12 500.0	0.27		3 380.0		3 380.0	3 263.4	116.6
D-2 C	413.0	0.54		223.0		223.0	216.3	6.7
D-2 D	99.5	0.60		59.7		59.7	55.1	4.6
D-2 E	192.0	0.63		121.0		121.0	117.4	3.6
D-2 F	318.0	0.20		63.6		63.6	53.6	10.0
D-3 A WATER FLOOD	61 200.0	0.55	0.10	33 700.0	6 120.0	39 800.0	39 141.5	658.5
D-3 B	2 380.0	0.52		1 238.0		1 238.0	1 183.9	54.1
D-3 C	144.0	0.51		73.7		73.7	73.7	
D-3 D	113.0	0.39		44.3		44.3	44.3	
D-3 E	403.0	0.10		40.3		40.3	29.8	10.5
D-3 F	1 030.0	0.70		721.0		721.0	568.3	152.7
D-3 G	153.0	0.30		45.9		45.9	18.6	27.3
D-3 H	105.0	<0.04		3.8		3.8	3.8	
D-3 I	235.0	0.50		118.0		118.0	7.5	110.5
D-3 J	180.0	0.40		72.0		72.0	11.6	60.4
D-3 K	84.3	<0.01		0.3		0.3	0.3	
D-3 L	72.5	0.10		7.3		7.3	0.6	6.7
D-3 M	213.0	0.10		21.3		21.3		21.3
LEEDALE 043-04W5								
BELLY RIVER D	168.0	0.10		16.8		16.8	2.8	14.0
CARDIUM A	354.0	0.05		17.7		17.7	7.8	9.9
CARDIUM B	111.0	<0.02		1.4		1.4	1.4	
LEGAL 057-25W4								
MIDDLE VIKING A	434.0	0.50		217.0		217.0	200.8	16.2
MANNVILLE B	38.1	<0.03		1.0		1.0	1.0	
D-3 A	32.4	<0.01		0.1		0.1	0.1	
LELAND 059-25W5								
CARDIUM A	102.0	<0.01		0.5		0.5	0.5	
SECOND WHITE SPECKS A	164.0	0.10		16.4		16.4		16.4
SECOND WHITE SPECKS B	113.0	<0.01		0.7		0.7	0.7	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.70	0.150	0.38	0.95	16	877	39	10 581	1 284.0	1982	82 12
64	2.50	0.150	0.46	0.85	57	897	55	10 726	1 299.7	1978	84 12
64	1.10	0.150	0.45	0.79	88	860	55	10 575	1 303.9	1979	84 12 - SUSP 84 12
64	2.40	0.150	0.30	0.85	66	873	46	9 335	1 235.2	1980	80 12 - SUSP 84 07
64	3.50	0.145	0.32	0.85	58	868	43	8 700	1 260.2	1986	86 10
192	2.94	0.122	0.34	0.79	87	886	71	16 139	1 877.6	1981	85 09
32	9.60	0.180	0.68	0.86	52	927	61	12 169	1 645.6	1985	85 10
64	3.85	0.122	0.45	0.81	74	865	74	12 688	1 791.9	1986	87 03 - SUSP 87 10
64	11.90	0.117	0.50	0.86	65	878	50	12 501	1 614.9	1981	82 05 - SUSP 87 04
460	5.32	0.160	0.53	0.87	52	923	57	12 239	1 618.3	1985	88 09
338	3.90	0.183	0.23	0.78	94	834	57	9 790	1 305.2	1951	81 12 - GPP
16	1.86	0.150	0.25	0.81	93	834	57	9 650	1 297.8	1954	71 12 - ABAND 62 06
16	4.57	0.150	0.28	0.79	93	825	58	10 170	1 316.7	1954	62 05 - ABAND 56 08
69	8.23	0.150	0.45	0.86	53	887	57	10 340	1 376.2	1952	74 04 - ABAND 74 03
65	10.97	0.150	0.28	0.79	98	825	60	10 240	1 347.8	1952	62 10 - SUSP 85 01
16	9.45	0.150	0.28	0.79	93	825	59	10 240	1 358.5	1953	68 03 - ABAND 54 11
16	2.74	0.150	0.28	0.79	93	825	56	9 760	1 278.6	1950	68 03 - ABAND 51 05
256	4.15	0.200	0.20	0.78	93	825	54	9 650	1 287.5	1948	86 12 - GPP
119	3.05	0.143	0.28	0.82	98	825	62	10 340	1 334.7	1951	82 12 - SUSP 84 10
64	6.00	0.190	0.30	0.79	83	826	54		1 300.0	1948	88 12
64	4.60	0.150	0.28	0.80	98	825	60	10 270	1 317.0	1953	79 12 - GPP
64	2.40	0.220	0.45	0.78	98	850	60	9 208	1 292.6	1980	80 12 - SUSP 80 11
64	4.00	0.220	0.45	0.80	83	827	54	9 460	1 304.3	1983	83 11 - SUSP 84 06
64	7.00	0.200	0.30	0.79	83	974	42	9 622	1 356.2	1949	86 11
64	3.00	0.180	0.30	0.79	83	827	45	9 429	1 284.7	1987	88 10
64	4.60	0.180	0.36	0.90	33	840	45	9 117	1 306.5	1985	86 03
65	5.39	0.074	0.25	0.82	71	820	58	9 890	1 366.1	1963	75 12 - SUSP 75 03
98	0.91	0.100	0.25	0.82	74	820	54	10 310	1 382.3	1964	68 03 - SUSP 73 05
9 169	18.90	0.034	0.26	0.75	115	834	63	12 200	1 555.4	1947	83 12 - GPP
4 641	11.33	0.048	0.34	0.75	98	834	60	12 650	1 603.9	1950	85 05 - GPP
309	5.18	0.043	0.20	0.75	110	834	62	12 200	1 660.2	1950	87 12 - GPP
110	8.08	0.020	0.30	0.80	109	834	63	12 200	1 660.2	1951	88 12 - GPP
128	9.02	0.028	0.30	0.85	109	834	62	12 200	1 593.2	1950	81 12 - GPP
199	8.29	0.033	0.24	0.77	111	834	64	13 070	1 653.5	1964	77 12 - GPP
8 812	10.77	0.100	0.14	0.75	98	825	66	13 070	1 620.0	1947	85 12 - GPP
751	7.99	0.060	0.13	0.76	85	825	66	13 070	1 653.5	1948	88 12 - GPP
53	5.18	0.080	0.13	0.76	85	825	67	13 070	1 649.6	1950	71 12 - ABAND 71 10
24	8.84	0.080	0.13	0.76	85	825	67	13 070	1 590.1	1949	72 05 - ABAND 66 01
65	10.67	0.090	0.14	0.75	85	825	48	11 620	1 634.6	1967	83 12 - GPP
81	20.91	0.093	0.10	0.73	94	825	61	11 710	1 658.1	1968	76 02 - GPP
65	4.27	0.090	0.19	0.76	103	839	66	11 790	1 702.9	1974	75 11 - GPP
64	4.00	0.065	0.17	0.76	99	847	74	13 000	1 659.2	1984	86 03 - SUSP 86 12
64	5.50	0.100	0.12	0.76	98	833	66	11 356	1 653.3	1985	85 11 - GPP
64	7.00	0.066	0.20	0.76	99	848	54	11 820	1 690.5	1985	86 03
64	1.70	0.120	0.15	0.76	94	812	67	11 598	1 687.2	1985	86 06 - SUSP 86 01
64	2.30	0.090	0.28	0.76	94	826	63	11 757	1 706.2	1985	86 06
64	6.30	0.080	0.13	0.76	94	838	63	11 166	1 648.9	1985	86 08 - SUSP 86 09
64	3.80	0.128	0.35	0.83	75	835	44	7 082	1 287.5	1986	86 10
128	2.93	0.150	0.10	0.70	133	829	59	14 970	1 625.3	1971	79 07 - GPP
64	2.78	0.097	0.20	0.80	65	805	58	9 766	1 606.7	1983	88 12 - ABAND 87 05
233	1.50	0.180	0.25	0.92	36	876	36	5 860	853.7	1952	87 12 - GPP
16	1.83	0.190	0.25	0.89	30	876	43	6 900	1 070.5	1950	68 03 - ABAND 66 06
16	3.20	0.090	0.12	0.80	55	946	44	11 365	1 458.3	1984	85 02 - ABAND 86 11
64	3.00	0.100	0.23	0.69	150	822	71	21 020	2 209.2	1980	88 12 - SUSP 86 06
64	5.00	0.120	0.38	0.69	140	823	80	23 352	2 496.5	1980	85 02 - SUSP 86 01
64	3.00	0.120	0.29	0.69	140	823	80	22 830	2 432.0	1980	85 02 - SUSP 86 02

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LEO 036-17W4								
UPPER MANNVILLE A	772.0	0.10		77.2		77.2	23.3	53.9
UPPER MANNVILLE C	333.0	0.05		16.7		16.7	3.9	12.8
UPPER MANNVILLE D	163.0	0.10		16.3		16.3	7.2	9.1
UPPER MANNVILLE E	481.0	0.03		14.4		14.4	2.3	12.1
UPPER MANNVILLE F	442.0	0.03		13.3		13.3	3.9	9.4
UPPER MANNVILLE H	207.0	0.10		20.7		20.7	0.9	19.8
LITTLE HORSE 077-12W5								
SLAVE POINT A	79.7	0.15		12.0		12.0	0.2	11.8
GILWOOD A	138.0	0.20		27.6		27.6	2.2	25.4
GILWOOD B	120.0	0.15		18.0		18.0	0.1	17.9
GILWOOD C	139.0	0.30		42.0		42.0	4.7	37.3
GILWOOD D	224.0	0.25		56.0		56.0	6.1	49.9
LITTLE SMOKY 067-22W5								
D-3	397.0	0.50		199.0		199.0	178.2	20.8
LOCHEND 027-03W5								
CARDIUM A	11 300.0	0.08		904.0		904.0	458.9	445.1
CARDIUM C	1 000.0	0.01		10.0		10.0	0.7	9.3
CARDIUM D	57.0	0.10		5.7		5.7		5.7
CARDIUM E	350.0	0.01		3.5		3.5	1.7	1.8
CARDIUM F	36.0	0.03		1.1		1.1	0.6	0.5
CARDIUM G	150.0	0.10		15.0		15.0	2.2	12.8
CARDIUM H	141.0	0.10		14.1		14.1	4.1	10.0
CARDIUM I	51.7	0.10		5.2		5.2	4.4	0.8
CARDIUM J	122.0	0.10		12.2		12.2	1.8	10.4
CARDIUM K	219.0	0.05		11.0		11.0	0.9	10.1
CARDIUM L	78.8	0.10		7.9		7.9	4.0	3.9
CARDIUM M	96.3	0.10		9.6		9.6	3.7	5.9
VIKING A	461.0	0.10		46.1		46.1	2.0	44.1
LOMOND 018-23W4								
GLAUCONITIC A	116.0	0.10		11.6		11.6	0.8	10.8
ELLERSLIE A	67.1	<0.02		0.8		0.8	0.8	
ELLERSLIE B	101.0	<0.01		0.4		0.4	0.4	
ELLERSLIE C	82.5	<0.01		0.1		0.1	0.1	
SAWTOOTH A	154.0	0.10		15.4		15.4	4.3	11.1
LONE PINE CREEK 030-28W4								
D-2 A	250.0	0.25		62.5		62.5	54.1	8.4
D-3 A	2 350.0	<0.02		29.0		29.0	29.0	
LONG COULEE 016-21W4								
GLAUCONITIC A	182.0	0.05		9.1		9.1	3.7	5.4
GLAUCONITIC B	236.0	0.02		4.7		4.7	2.3	2.4
GLAUCONITIC E	61.3	<0.02		0.7		0.7	0.7	
GLAUCONITIC F	111.0	0.10		11.1		11.1	7.5	3.6
GLAUCONITIC G	118.0	0.10		11.8		11.8	5.7	6.1
GLAUCONITIC H	807.0	0.10		80.7		80.7	28.6	52.1
GLAUCONITIC J	113.0	0.10		11.3		11.3	5.8	5.5
GLAUCONITIC N	106.0	<0.02		1.1		1.1	1.1	
GLAUCONITIC O	81.8	<0.01		0.3		0.3	0.3	
GLAUCONITIC P	126.0	0.15		18.9		18.9	13.3	5.6
GLAUCONITIC Q	97.7	0.10		9.8		9.8	1.6	8.2
GLAUCONITIC R	543.0	0.10		54.3		54.3	15.4	38.9
GLAUCONITIC T	474.0	0.20		94.8		94.8	11.1	83.7
GLAUCONITIC U	190.0	0.10		19.0		19.0	3.6	15.4
SUNBURST C	265.0	0.02		5.3		5.3	1.3	4.0
SUNBURST E	161.0	<0.01		1.1		1.1	1.1	
SUNBURST F	301.0	0.10		30.1		30.1	1.9	28.2
SUNBURST H	106.0	0.10		10.6		10.6	1.5	9.1
LOON 085-09W5								
SLAVE POINT A TOTAL	5 820.0			175.0	111.0	286.0	171.9	114.1
PRIMARY AREA	3 027.0	0.03		90.9		90.9		
WATER FLOOD AREA	2 793.0	0.03	0.04	84.1	111.0	195.0		
SLAVE POINT C	926.0	0.10		92.6		92.6	15.1	77.5
SLAVE POINT D	78.8	0.05		3.9		3.9	1.7	2.2
SLAVE POINT E	508.0	0.02		10.2		10.2	3.1	7.1
SLAVE POINT G	6 611.0	0.15		992.0		992.0	105.0	887.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
149	4.36	0.200	0.34	0.90	37	855	39	8 203	1 153.2	1983	88 02
128	3.08	0.160	0.40	0.88	51	855	35	6 664	1 164.3	1975	87 07 - GPP
64	1.80	0.220	0.27	0.88	53	844	40	7 983	1 155.8	1977	83 12
64	7.92	0.154	0.30	0.88	45	865	40	7 164	1 141.7	1978	85 12 - GPP
64	6.70	0.156	0.25	0.88	43	855	28	7 960	1 146.4	1974	79 12
32	4.00	0.240	0.26	0.91	33	869	39	7 588	1 148.0	1987	88 09
64	1.30	0.150	0.29	0.90	30	839	57	17 720	1 893.9	1985	87 07 - SUSP 87 03
64	2.73	0.126	0.27	0.86	69	828	65	20 341	2 038.6	1987	87 09
64	3.90	0.127	0.56	0.86	50	840	61	21 007	2 118.2	1987	87 09 - SUSP 87 03
64	3.80	0.113	0.41	0.86	42	831	63	19 939	1 999.4	1986	87 09
64	3.80	0.167	0.38	0.89	30	835	73	20 470	1 040.6	1987	87 12
97	12.44	0.068	0.18	0.59	205	825	90	27 790	2 660.9	1954	76 12 - GPP
9 984	1.65	0.100	0.10	0.76	109	825	54	25 326	2 244.7	1961	85 09
640	2.22	0.103	0.10	0.76	110	834	52	15 500	2 204.7	1985	85 09
64	2.00	0.100	0.45	0.81	119	834	68	25 100	2 103.8	1983	84 11
128	4.00	0.100	0.10	0.76	110	834	52	25 300	2 204.7	1983	85 09
64	1.32	0.062	0.10	0.76	110	834	52	20 287	2 204.7	1985	85 09
64	3.30	0.110	0.15	0.76	110	848	58	21 537	2 349.7	1981	82 03
64	3.10	0.110	0.10	0.72	125	824	68	18 678	2 221.6	1980	87 04
64	1.30	0.109	0.25	0.76	115	824	57	18 267	2 223.5	1982	82 11
64	3.90	0.080	0.15	0.72	135	824	56	24 978	2 287.7	1983	83 06
64	5.60	0.090	0.15	0.80	94	827	58	20 466	2 171.0	1986	87 09
64	1.80	0.100	0.10	0.76	109	825	54	25 465	2 197.9	1986	88 01
64	2.20	0.100	0.10	0.76	105	820	56	27 442	2 274.7	1986	86 06
64	12.00	0.110	0.22	0.70	140	831	70	24 298	2 517.1	1981	82 04 - SUSP 87 06
64	1.80	0.180	0.30	0.80	94	857	46	9 810	1 641.0	1985	86 07
64	1.80	0.130	0.44	0.80	95	874	44	14 525	1 599.3	1981	82 09 - SUSP 84 12
64	2.75	0.120	0.40	0.80	81	868	44	14 365	1 631.2	1985	85 12 - ABAND 87 08
64	2.20	0.120	0.39	0.80	81	868	44	14 865	1 696.3	1985	85 11 - SUSP 85 11
64	4.00	0.150	0.50	0.80	85	868	50	13 694	1 691.5	1984	85 03
275	2.69	0.070	0.22	0.62	155	825	71	22 370	2 373.5	1965	82 05 - GPP
1 616	3.96	0.080	0.15	0.54	237	806	82	22 820	2 441.8	1963	82 12 - GPP
64	3.00	0.180	0.38	0.85	60	900	39	12 647	1 415.2	1982	86 12
64	3.00	0.190	0.19	0.80	96	846	38	11 472	1 404.0	1982	86 12
64	1.10	0.160	0.32	0.80	94	834	46	10 554	1 504.4	1983	84 06 - ABAND 87 07
64	2.00	0.150	0.28	0.80	94	834	46	7 553	1 506.5	1984	84 10
64	2.30	0.150	0.33	0.80	94	854	46	10 332	1 470.2	1982	84 12
320	2.92	0.150	0.28	0.80	94	838	46	12 140	1 454.6	1981	86 04
64	1.78	0.180	0.31	0.80	94	858	46	13 203	1 545.3	1986	88 08
64	2.44	0.150	0.50	0.90	39	829	38	13 410	1 412.4	1977	83 12 - SUSP 81 08
65	2.44	0.160	0.60	0.81	84	876	48	13 950	1 548.0	1976	79 08 - SUSP 78 11
64	2.00	0.170	0.30	0.83	80	848	43	13 568	1 505.7	1983	83 11
64	1.62	0.172	0.34	0.83	80	848	43	10 753	1 512.2	1983	84 09
256	1.88	0.170	0.21	0.84	66	865	41	11 218	1 482.2	1980	88 11
95	3.90	0.200	0.20	0.80	92	872	38	12 286	1 285.5	1986	88 10
64	3.40	0.180	0.40	0.81	90	853	41	13 418	1 651.8	1981	81 08
65	4.27	0.200	0.40	0.80	83	860	43	13 510	1 451.5	1974	82 12 - SUSP 87 03
64	4.50	0.140	0.50	0.80	95	860	43	13 500	1 484.3	1982	82 07 - ABAND 84 07
64	7.00	0.200	0.60	0.84	68	844	38	13 730	1 517.1	1979	84 05
64	1.52	0.200	0.35	0.84	67	860	45	12 580	1 342.8	1976	77 12
1 920					24	820	48	15 130	1 415.2	1966	88 01
768	10.72	0.065	0.35	0.87							
1 152	7.55	0.053	0.30	0.87							- GPP
256	9.42	0.064	0.13	0.87	44	820	45	4 700	1 369.6	1984	88 09
64	4.50	0.050	0.37	0.87	45	820	44	13 883	1 372.7	1980	85 03
64	11.40	0.090	0.15	0.91	29	827	44	14 171	1 381.4	1983	87 12
1 280	12.48	0.071	0.33	0.87	44	830	44	14 602	1 320.7	1985	87 09

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LOON 085-09W5 (CONTINUED)								
GRANITE WASH A	630.0	0.20		126.0		126.0	102.0	24.0
GRANITE WASH B	1 400.0	0.20		280.0		280.0	80.9	199.1
GRANITE WASH C	170.0	0.20		34.0		34.0	14.0	20.0
GRANITE WASH D	194.0	0.20		38.8		38.8	4.0	34.8
GRANITE WASH E	1 864.0	0.25		466.0		466.0	76.5	389.5
GRANITE WASH H	149.0	0.20		29.8		29.8	1.7	28.1
GRANITE WASH I	162.0	0.10		16.2		16.2	1.1	15.1
GRANITE WASH J	758.0	0.25		190.0		190.0	66.1	123.9
GRANITE WASH K	341.0	0.20		68.2		68.2	7.5	60.7
LOUSANA 036-21W4								
D-2	413.0	0.33		137.0		137.0	119.9	17.1
LUBICON 087-10W5								
GRANITE WASH B	420.0	0.25		105.0		105.0	37.9	67.1
GRANITE WASH C	320.0	0.20		64.0		64.0	43.4	20.6
GRANITE WASH D	236.0	0.30		70.8		70.8	3.6	67.2
MALMO 043-22W4								
BLAIRMORE A	1 270.0	0.15		191.0		191.0	184.8	6.2
ELLERSLIE C	142.0	0.15		21.3		21.3	1.9	19.4
D-2 A	2 570.0	0.45		1 160.0		1 160.0	1 134.6	25.4
D-3 A	1 600.0	0.50		800.0		800.0	752.5	47.5
D-3 C	70.7	<0.02		0.8		0.8	0.8	
D-3 D	480.0	<0.01		1.0		1.0	1.0	
MANIR 072-03W6								
CHARLIE LAKE A	4 065.0	0.15		610.0		610.0	76.7	533.3
CHARLIE LAKE E	271.0	0.15		40.7		40.7		40.7
CHARLIE LAKE F	135.0	0.10		13.5		13.5		13.5
CHARLIE LAKE G	173.0	0.10		17.3		17.3	1.3	16.0
CHARLIE LAKE H	159.0	0.15		23.9		23.9	6.2	17.7
MANITO 042-20W4								
GLAUCONITIC A	167.0	<0.01		1.5		1.5	1.5	
ELLERSLIE A,B,C&D	653.0	<0.01		0.4		0.4	0.4	
MANOLA 059-02W5								
LOWER MANNVILLE E	1 639.0	0.10		164.0		164.0	10.7	153.3
LOWER MANNVILLE F	410.0	0.10		41.0		41.0	13.9	27.1
LOWER MANNVILLE H	346.0	0.10		34.6		34.6	1.5	33.1
MANYBERRIES 005-05W4								
SUNBURST A	500.0	0.18		90.0		90.0	78.3	11.7
SUNBURST B	1 865.0	0.15		280.0		280.0	209.8	70.2
SUNBURST C	685.0	0.25		171.0		171.0	139.1	31.9
SUNBURST J	281.0	0.10		28.1		28.1	21.2	6.9
SUNBURST L	147.0	<0.02		2.4		2.4	2.4	
SUNBURST O	2 400.0	0.12		288.0		288.0	145.9	142.1
SUNBURST Q	4 000.0	0.15		600.0		600.0	322.7	277.3
SUNBURST U	419.0	0.10		41.9		41.9	25.4	16.5
SUNBURST AA	288.0	0.10		28.8		28.8	3.9	24.9
SUNBURST CC	90.5	0.10		9.1		9.1	0.6	8.5
SUNBURST FF	522.0	0.10		52.2		52.2	0.4	51.8
SUNBURST HH	450.0	0.05		23.0		23.0	1.7	21.3
SUNBURST II	149.0	0.10		14.9		14.9	5.6	9.3
SUNBURST JJ	1 600.0	0.18		288.0		288.0	207.2	80.8
SUNBURST KK	1 614.0	0.12		194.0		194.0	129.1	64.9
SUNBURST LL	547.0	0.25		137.0		137.0	54.6	82.4
SUNBURST MM	585.0	0.15		87.8		87.8	12.4	75.4
SUNBURST NN	54.1	0.15		8.2		8.2	5.9	2.3
SUNBURST OO	1 700.0	0.15		255.0		255.0	120.7	134.3
SUNBURST PP	353.0	0.10		35.3		35.3	8.6	26.7
SUNBURST SS	98.1	0.10		9.8		9.8	6.2	3.6
SUNBURST UU	211.0	0.10		21.1		21.1	0.4	20.7
SWIFT B	666.0	0.15		99.9		99.9	14.7	85.2
MARKERVILLE 036-02W5								
VIKING A	100.0	0.20		20.0		20.0	17.9	2.1
VIKING B	105.0	<0.01		0.3		0.3	0.3	
VIKING C	83.9	0.10		8.4		8.4		8.4

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	oC	kPa	m		
652	1.25	0.127	0.30	0.87	51	820	77	16 510	1 526.4	1965	87 10 - GPP
436	3.87	0.160	0.39	0.85	55	828	45	15 905	1 482.9	1982	88 09
128	1.98	0.116	0.32	0.85	51	845	49	16 208	1 571.9	1985	88 12
64	3.40	0.150	0.30	0.85	64	830	42	16 933	1 469.5	1982	83 04
640	3.38	0.157	0.37	0.87	48	835	36	15 314	1 425.0	1985	87 12
64	3.00	0.150	0.40	0.86	51	821	49	16 152	1 538.5	1985	85 10
64	3.00	0.160	0.38	0.85	55	829	48	16 440	1 490.3	1986	87 07
256	3.35	0.154	0.34	0.87	51	825	49	16 560	1 488.5	1966	87 09
64	5.20	0.180	0.33	0.85	55	39	48	15 462	1 472.2	1987	88 05
203	4.08	0.069	0.14	0.84	55	839	70	14 580	1 787.7	1960	63 10 - GPP
73	4.22	0.220	0.27	0.85	60	834	34	15 477	1 451.0	1968	86 12
60	3.39	0.233	0.21	0.85	60	834	44	15 899	1 440.2	1963	86 12
64	3.00	0.213	0.33	0.86	57	846	37	15 880	1 483.5	1986	86 03
203	4.08	0.252	0.24	0.80	78	825	56	10 170	1 436.5	1952	81 12
64	2.00	0.240	0.45	0.84	69	843	55	9 146	1 401.0	1983	87 12
573	15.30	0.047	0.20	0.78	95	834	57	11 510	1 544.1	1952	86 12 - GPP
220	15.54	0.070	0.12	0.76	111	834	58	14 860	1 609.6	1952	83 12 - GPP
65	2.44	0.067	0.12	0.76	111	829	56	14 860	1 630.4	1965	73 02 - SUSP 69 08
64	16.90	0.074	0.25	0.80	70	886	50	12 493	1 640.9	1979	84 12 - SUSP 84 07
2 100	2.75	0.147	0.43	0.84	56	873	50	15 459	1 690.3	1987	88 07
64	7.33	0.093	0.26	0.84	60	836	47	15 321	1 695.1	1987	88 06
64	3.73	0.110	0.39	0.84	60	825	67	15 961	1 804.2	1987	88 06
64	2.20	0.190	0.17	0.78	80	839	63	16 019	1 834.9	1985	85 08
64	1.84	0.194	0.13	0.80	76	850	50	15 558	1 818.5	1985	85 09
64	2.80	0.160	0.30	0.83	70	850	41	9 039	1 265.6	1980	81 02 - SUSP 82 07
64	9.20	0.190	0.27	0.80	47	856	42	9 390	1 297.2	1980	83 07 - SUSP 83 12
781	2.63	0.170	0.46	0.87	54	891	37	8 274	1 077.1	1985	88 08
192	2.69	0.180	0.49	0.87	55	891	37	8 322	1 083.6	1984	85 12
64	5.00	0.180	0.31	0.87	54	911	34	8 384	1 066.5	1986	88 08
192	1.93	0.210	0.30	0.92	66	834	36	9 000	1 122.4	1962	86 07
622	2.52	0.200	0.30	0.85	71	829	61	9 070	1 227.1	1955	88 03
420	1.19	0.250	0.37	0.87	66	839	34	8 990	1 119.2	1967	86 12 - GPP
183	1.12	0.230	0.30	0.85	51	883	37	8 960	1 158.2	1963	84 03
65	1.52	0.270	0.35	0.85	53	855	37	8 950	1 270.4	1972	75 12 - SUSP 75 10
324	6.55	0.200	0.35	0.87	71	839	35	8 960	1 080.5	1971	86 07
684	6.22	0.180	0.40	0.87	57	838	32	99 217	1 079.5	1977	87 08
64	4.00	0.250	0.23	0.85	66	830	36	9 017	1 027.0	1980	81 02
64	6.50	0.140	0.45	0.90	32	824	40	9 625	1 216.5	1984	84 11 - GPP
32	2.10	0.220	0.28	0.85	32	824	33	8 729	1 145.0	1971	84 11 - SUSP 88 01
128	4.69	0.140	0.27	0.85	60	838	33	8 326	1 091.0	1984	85 09
128	3.62	0.180	0.38	0.87	50	837	34	9 046	1 076.0	1984	86 11
64	2.00	0.195	0.38	0.96	14	837	35	9 087	1 064.1	1984	85 11
306	4.51	0.200	0.37	0.92	28	834	40	9 156	1 127.0	1970	86 07
652	2.70	0.170	0.38	0.87	57	839	32	9 046	1 064.2	1970	88 06
257	1.32	0.260	0.32	0.91	66	839	34	9 347	1 169.0	1984	86 12
128	4.60	0.170	0.33	0.87	57	838	32	6 528	1 071.3	1986	87 10
32	1.80	0.150	0.28	0.87	57	831	32	5 977	1 099.8	1986	87 03
388	4.66	0.180	0.40	0.87	57	838	32	9 190	1 054.8	1977	87 08
64	4.00	0.220	0.28	0.87	66	834	35	9 000	1 138.0	1986	87 08
32	2.60	0.220	0.41	0.91	28	825	40	9 147	1 184.8	1984	88 04
64	3.30	0.200	0.45	0.91	32	830	40	7 574	1 152.7	1985	85 06
64	7.80	0.216	0.29	0.87	57	838	32	8 495	1 059.6	1986	87 09
167	1.84	0.070	0.38	0.75	102	833	66	12 810	1 902.6	1977	85 04 - GPP
64	3.10	0.120	0.41	0.75	95	852	63	9 620	1 905.3	1977	83 12 - ABAND 82 10
64	2.00	0.120	0.35	0.84	51	840	71	12 827	1 920.3	1985	86 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
MARKERVILLE 036-02W5 (CONTINUED)								
PEKISKO B	320.0	<0.01		0.4		0.4	0.4	
MARLBORO 055-19W5								
GETHING A	273.0	<0.01		1.2		1.2	1.2	
GETHING B	165.0	<0.01		0.3		0.3	0.3	
MATZIWIN 023-14W4								
GLAUCONITIC A	1 800.0	0.03		54.0		54.0	31.8	22.2
GLAUCONITIC B	187.0	0.10		18.7		18.7	2.8	15.9
LOWER MANNVILLE D	112.0	0.10		11.2		11.2	4.2	7.0
LOWER MANNVILLE E	498.0	0.10		49.8		49.8	4.5	45.3
PEKISKO C	87.7	0.10		8.8		8.8	3.5	5.3
PEKISKO D	207.0	0.10		20.7		20.7		20.7
MCLEANS CREEK 074-21W5								
GILWOOD A	985.0	0.20		197.0		197.0	18.6	178.4
GILWOOD C	263.0	0.15		39.4		39.4	1.2	38.2
GILWOOD D	86.3	0.20		17.3		17.3	2.9	14.4
GILWOOD E	66.8	0.10		6.7		6.7	0.2	6.5
GILWOOD F	104.0	0.20		20.8		20.8		20.8
GRANITE WASH A	182.0	0.25		45.5		45.5	4.0	41.5
MCLEOD 056-14W5								
CARDIUM A	213.0	0.15		32.0		32.0	23.0	9.0
GETHING E	119.0	0.10		11.9		11.9	0.7	11.2
GETHING F	293.0	0.10		29.3		29.3	2.4	26.9
GETHING G	183.0	0.10		18.3		18.3	1.1	17.2
GETHING J	83.9	0.10		8.4		8.4	3.7	4.7
GETHING K	112.0	0.10		11.2		11.2	1.2	10.0
MEDICINE RIVER 039-03W5								
CARDIUM A	82.6	0.02		1.7		1.7	0.4	1.3
CARDIUM B	154.0	0.08		12.3		12.3	2.7	9.6
VIKING A	63.6	<0.06		3.5		3.5	3.5	
VIKING D TOTAL	3 400.0			680.0	460.0	1 140.0	489.0	651.0
PRIMARY AREA	334.0	0.20		66.8		66.8		
WATER FLOOD AREA	3 066.0	0.20	0.15	613.0	460.0	1 073.0		
VIKING M	334.0	0.15		50.1		50.1	32.1	18.0
VIKING N	62.7	<0.03		1.6		1.6	1.6	
GLAUCONITIC A TOTAL	11 860.0			1 116.0	1 158.0	2 275.0	1 807.4	467.6
PRIMARY AREA	2 090.0	0.11		230.0		230.0		
WATER FLOOD AREA	9 770.0	<0.11	0.11	886.6	1 158.0	2 045.0		
GLAUCONITIC H	228.0	<0.01		0.5		0.5	0.5	
GLAUC D & OSTRACOD A TOTAL	2 181.0			327.0	321.0	648.0	368.0	280.0
PRIMARY AREA	575.0	0.15		86.3		86.3		
WATER FLOOD AREA	1 606.0	0.15	0.20	241.0	321.0	562.0		
OSTRACOD B	461.0	0.20		92.2		92.2	64.1	28.1
OSTRACOD C	585.0	0.15		87.8		87.8	84.5	3.3
OSTRACOD P	470.0	<0.01		0.5		0.5	0.5	
OSTRACOD R	63.6	<0.03		1.4		1.4	1.4	
OSTRACOD S	111.0	0.12		13.3		13.3	11.1	2.2
OSTRACOD W	364.0	0.20		72.8		72.8	53.3	19.5
OSTRACOD Y	53.7	0.10		5.4		5.4	0.8	4.6
BASAL QUARTZ B TOTAL	5 750.0			575.0	74.5	650.0	345.7	304.3
PRIMARY AREA	4 260.0	0.10		426.0		426.0		
WATER FLOOD AREA	1 490.0	0.10	0.05	149.0	74.5	224.0		
BASAL QUARTZ C	65.5	<0.01		0.5		0.5	0.5	
BASAL QUARTZ D	393.0	<0.05		18.7		18.7	18.7	
BASAL QUARTZ F	138.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ G WATER FLOOD	566.0	<0.04	0.04	21.6	22.6	44.2	44.2	
BASAL QUARTZ H	159.0	0.10		15.9		15.9	14.1	1.8
BASAL QUARTZ I	262.0	0.13		34.0		34.0	30.7	3.3
BASAL QUARTZ J	556.0	0.08		44.5		44.5	26.5	18.0
BASAL QUARTZ K	132.0	0.20		26.4		26.4	19.0	7.4
BASAL QUARTZ Y	199.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ BB	134.0	0.10		13.4		13.4	9.0	4.4
BASAL QUARTZ EE	605.0	0.10		60.5		60.5	1.2	59.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	19.80	0.050	0.36	0.79	79	879	74	14 701	2 217.3	1980	81 08 - ABAND 83 04
65	7.32	0.120	0.20	0.60	239	825	97	35 120	2 802.0	1969	74 05 - ABAND 70 09
65	4.27	0.120	0.17	0.60	239	820	68	34 870	2 765.5	1970	73 02 - SUSP 71 06
445	4.55	0.190	0.45	0.85	68	883	32	9 727	998.1	1983	86 12 - GPP
64	4.30	0.160	0.50	0.85	64	880	32	9 625	1 004.5	1985	85 11 - GPP
64	1.70	0.190	0.36	0.85	62	887	32	9 319	1 013.2	1983	84 02
128	4.46	0.180	0.43	0.85	60	850	35	9 731	1 012.5	1986	86 11
64	5.00	0.050	0.34	0.83	67	847	43	10 300	1 015.5	1986	86 11
64	10.70	0.050	0.32	0.89	47	894	34	9 825	1 016.1	1984	88 08
256	4.58	0.160	0.41	0.89	32	838	58	26 990	2 528.9	1985	88 04
64	5.71	0.147	0.41	0.83	50	837	85	26 697	2 528.0	1987	87 10
64	2.54	0.122	0.50	0.87	36	854	86	25 771	2 587.4	1986	87 12
64	2.19	0.099	0.42	0.83	50	834	89	27 626	2 575.3	1987	88 03
64	2.55	0.114	0.37	0.89	36	834	86	28 368	2 597.6	1987	88 07
64	3.50	0.140	0.30	0.83	50	837	85	27 838	2 558.2	1987	87 09
72	5.02	0.100	0.30	0.84	62	834	53	9 060	1 497.2	1976	84 12 - GPP
64	2.90	0.120	0.37	0.85	52	883	72	13 662	2 023.2	1985	87 03
64	4.40	0.165	0.16	0.75	102	856	74	17 227	2 117.1	1986	87 04 - GPP
64	2.80	0.160	0.15	0.75	120	856	67	15 896	2 164.7	1986	87 07 - GPP
64	3.90	0.120	0.60	0.70	150	825	70	16 930	2 058.1	1983	84 06
64	3.20	0.123	0.39	0.73	102	856	76	16 523	2 124.0	1986	86 12
64	1.52	0.124	0.10	0.75	106	898	49	19 240	1 658.4	1963	84 12
65	2.44	0.160	0.09	0.67	167	898	62	20 990	1 848.0	1965	85 07
130	1.07	0.100	0.32	0.67	160	844	91	20 000	1 931.8	1963	71 05 - SUSP 68 06
3 405					130	813	52	14 639	1 864.0	1962	88 04
333	1.58	0.116	0.27	0.75							
3 072	1.57	0.116	0.27	0.75							
320	1.88	0.100	0.27	0.76	110	814	65	13 768	1 764.4	1984	86 09
64	2.00	0.100	0.30	0.70	130	813	52	14 857	1 888.3	1979	88 12 - SUSP 86 04
4 340					244	839	64	26 270	2 268.9	1964	87 05
705	4.19	0.140	0.21	0.64							
3 635	4.18	0.130	0.25	0.66							
64	7.00	0.100	0.25	0.68	159	840	73	14 878	2 054.3	1979	86 12 - ABAND 84 06
1 435					101	887	67	26 200	2 080.8	1961	88 10
355	1.83	0.160	0.20	0.69							
1 080	1.92	0.140	0.20	0.69							
360	1.83	0.130	0.22	0.69	148	849	68	19 370	2 182.5	1963	85 04
117	5.30	0.171	0.20	0.69	153	839	72	20 221	2 298.2	1964	88 12 - SUSP 84 08
65	10.97	0.120	0.20	0.69	155	855	59	16 150	2 206.1	1972	74 06 - ABAND 73 09
65	1.52	0.120	0.25	0.72	133	870	68	17 440	2 283.3	1974	76 12 - ABAND 75 06
98	1.83	0.110	0.25	0.75	110	849	57	19 410	2 166.8	1974	88 12 - GPP
150	3.11	0.130	0.20	0.75	119	860	71	20 170	2 281.4	1965	85 12 - GPP
64	1.70	0.100	0.35	0.76	110	877	57	17 078	2 053.5	1983	84 05 - GPP
1 352					88	892	70	16 270	2 147.9	1959	82 12
998	5.15	0.138	0.24	0.79							
354	4.94	0.140	0.23	0.79							
32	2.44	0.140	0.24	0.78	74	892	66	15 690	2 130.2	1962	65 01 - ABAND 63 08
129	2.99	0.167	0.24	0.80	74	892	68	15 510	2 099.5	1963	83 12 - ABAND 83 12
64	1.83	0.200	0.25	0.78	76	898	68	16 480	2 158.9	1963	64 12 - ABAND 66 10
65	11.22	0.130	0.25	0.80	74	910	66	15 580	2 140.0	1963	83 12 - SUSP 82 03
32	6.40	0.130	0.25	0.79	76	898	66	16 270	2 178.4	1963	63 10 - GPP
64	5.22	0.140	0.30	0.80	78	898	66	16 550	2 225.0	1962	81 12 - GPP
64	10.47	0.140	0.25	0.79	89	898	66	17 000	2 217.7	1971	87 12 - GPP
121	1.52	0.130	0.30	0.79	76	892	68	18 400	2 172.6	1965	88 12 - GPP
65	5.18	0.096	0.22	0.79	87	898	66	16 130	2 239.4	1974	75 11 - SUSP 75 09
64	3.50	0.100	0.20	0.75	112	866	74	20 305	2 363.0	1980	80 05
32	26.00	0.140	0.35	0.80	74	910	66	15 547	2 184.7	1987	88 01

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
MEDICINE RIVER 039-03W5 (CONTINUED)								
JURASSIC A WATER FLOOD	5 150.0	0.16	0.22	823.0	1 134.0	1 957.0	1 734.1	222.9
JURASSIC B	1 160.0	0.15		177.0		177.0	161.0	16.0
JURASSIC C TOTAL	9 000.0			1 350.0	1 657.0	3 007.0	1 665.7	1 341.3
PRIMARY AREA	714.0	0.15		107.1		107.1		
WATER FLOOD AREA	8 286.0	0.15	0.20	1 243.0	1 657.0	2 900.0		
JURASSIC D TOTAL	8 627.0			1 463.0	1 700.0	3 163.0	1 752.8	1 410.2
PRIMARY AREA	487.0	0.17		82.8		82.8		
WATER FLOOD AREA	8 140.0	0.17	0.21	1 380.0	1 700.0	3 080.0		
JURASSIC E	281.0	0.15		42.2		42.2	37.9	4.3
JURASSIC K	721.0	0.15		108.0		108.0	79.9	28.1
JURASSIC L	128.0	0.03		3.8		3.8	3.0	0.8
JURASSIC N	62.1	<0.01		0.3		0.3	0.3	
JURASSIC O	128.0	0.15		19.2		19.2	7.0	12.2
ELKTON-SHUNDA A	318.0	<0.04		12.0		12.0	12.0	
ELKTON-SHUNDA C	520.0	0.10		52.0		52.0	44.9	7.1
ELKTON-SHUNDA D	165.0	<0.01		0.3		0.3	0.3	
SHUNDA A	221.0	<0.01		1.8		1.8	1.8	
PEKISKO B WATER FLOOD	869.0	0.15	0.05	130.0	43.5	174.0	128.1	45.9
PEKISKO C TOTAL	2 180.0			71.7	64.5	136.0	111.6	24.4
PRIMARY AREA	885.0	<0.01		7.2		7.2		
WATER FLOOD AREA	1 290.0	0.05	0.05	64.5	64.5	129.0		
PEKISKO D	91.2	0.10		9.1		9.1	6.4	2.7
PEKISKO E TOTAL	3 520.0			352.0	453.0	805.0	526.1	278.9
PRIMARY AREA	501.0	0.10		50.1		50.1		
WATER FLOOD AREA	3 020.0	0.10	0.15	302.0	453.0	755.0		
PEKISKO G	184.0	<0.01		0.2		0.2	0.2	
PEKISKO H	238.0	<0.02		2.7		2.7	2.7	
PEKISKO I	6 360.0	0.21		1 330.0		1 330.0	955.5	374.5
PEKISKO K	180.0	0.12		21.6		21.6	17.9	3.7
PEKISKO N	5 000.0	0.15		750.0		750.0	270.6	479.4
PEKISKO R	1 320.0	0.15		197.0		197.0	124.8	72.2
PEKISKO S	244.0	0.15		36.6		36.6	12.0	24.6
PEKISKO U	710.0	0.05		35.5		35.5	7.6	27.9
PEKISKO V	170.0	0.10		17.0		17.0	2.3	14.7
BANFF A	14.2	<0.01		0.1		0.1	0.1	
NISKU A	1 000.0	0.40		400.0		400.0	35.3	364.7
D-3 A	1 260.0	0.30		378.0		378.0	59.8	318.2
D-3 B	502.0	0.30		151.0		151.0	6.8	144.2
D-3 C	152.0	0.30		45.6		45.6	7.5	38.1
D-3 D	1 446.0	0.30		434.0		434.0	38.1	395.9
MEEKWAP 066-15W5								
D-2 A TOTAL	12 050.0			2 410.0	2 731.0	5 141.0	3 772.2	1 368.8
PRIMARY AREA	674.0	0.20		134.0		134.0		
WATER FLOOD AREA	11 380.0	0.20	0.24	2 276.0	2 731.0	5 007.0		
D-2 B	175.0	0.30		52.5		52.5	28.2	24.3
D-2 C	96.3	<0.01		0.1		0.1	0.1	
D-2 D	334.0	0.10		33.4		33.4	24.3	9.1
D-2 E	178.0	0.10		17.8		17.8	3.0	14.8
D-2 F	432.0	0.07		30.2		30.2	17.3	12.9
MELLOWDALE 060-03W5								
LOWER MANNVILLE B	1 470.0	0.10		147.0		147.0	37.6	109.4
MICHICHI 031-17W4								
UPPER MANNVILLE A	126.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE A	499.0	0.10		49.9		49.9	20.3	29.6
LOWER MANNVILLE B	270.0	0.02		5.4		5.4	2.8	2.6
LOWER MANNVILLE I	806.0	0.10		80.6		80.6	10.3	70.3
LOWER MANNVILLE K	217.0	0.15		32.6		32.6	0.4	32.2
LOWER MANNVILLE M	126.0	0.10		12.6		12.6	0.1	12.5
LOWER MANNVILLE N	63.1	0.05		3.2		3.2		3.2
OSTRACOD B	220.0	<0.01		0.2		0.2	0.2	
DETRITAL B	164.0	0.10		16.4		16.4	0.1	16.3
BANFF A	1 014.0	0.07		71.0	ERSD	71.0	53.8	17.2
BANFF C	356.0	0.10		35.6		35.6	10.7	24.9
BANFF D	2 595.0	0.10		260.0		260.0	22.5	237.5
BANFF E	321.0	0.10		32.1		32.1	1.7	30.4
BANFF F	397.0	0.05		19.9		19.9	4.0	15.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 289	4.69	0.142	0.25	0.80	90	887	63	16 000	2 153.1	1956	88 12
303	5.03	0.132	0.27	0.79	88	887	69	16 000	2 135.4	1961	86 12 - GPP
1 689					84	892	63	16 410	2 182.4	1961	86 08
270	3.73	0.132	0.32	0.79							
1 419	8.00	0.138	0.33	0.79							
721					83	887	68	16 200	2 141.2	1959	87 12
32	17.50	0.145	0.25	0.80							
689	14.11	0.145	0.25	0.77							- GPP
64	7.01	0.110	0.25	0.76	94	887	70	16 790	2 197.9	1962	83 12 - GPP
160	5.85	0.130	0.25	0.79	86	892	66	19 030	2 175.1	1974	88 12
64	3.00	0.110	0.17	0.73	130	803	99	15 472	2 148.8	1980	81 11 - GPP
64	2.40	0.070	0.25	0.77	105	888	69	12 397	2 146.7	1980	83 05 - ABAND 85 06
64	2.40	0.150	0.28	0.77	105	871	69	17 300	2 292.3	1985	87 01
64	7.21	0.100	0.18	0.84	75	915	71	17 000	2 248.2	1962	83 12 - SUSP 77 08
65	12.50	0.098	0.20	0.82	77	876	49	18 330	2 328.4	1974	75 05
64	6.06	0.083	0.39	0.84	74	913	71	18 300	2 313.3	1985	86 07 - ABAND 86 06
65	5.18	0.110	0.20	0.75	121	910	77	18 640	2 290.0	1972	74 12 - SUSP 74 10
196	5.61	0.119	0.16	0.79	62	898	70	16 340	2 161.9	1959	84 12 - SUSP 87 03
362					62	898	69	16 200	2 156.2	1961	83 12 - GPP
128	15.79	0.072	0.22	0.78							
234	12.55	0.072	0.22	0.78							
32	4.88	0.087	0.15	0.79	62	898	68	16 070	2 152.2	1961	82 12 - SUSP 87 03
654					75	887	71	16 240	2 194.0	1963	86 05
64	11.40	0.110	0.22	0.80							
590	7.86	0.098	0.17	0.80							- GPP
64	7.62	0.060	0.29	0.88	44	972	70	14 580	2 155.5	1964	64 12 - ABAND 71 10
65	13.78	0.050	0.34	0.81	62	904	71	16 030	2 144.6	1964	68 03 - ABAND 70 09
928	10.45	0.100	0.18	0.80	88	898	71	16 890	2 207.7	1954	77 12 - GPP
65	7.89	0.053	0.18	0.81	62	898	71	16 240	2 188.5	1965	87 12 - GPP
1 002	8.00	0.100	0.22	0.80	74	844	82	16 320	2 139.3	1963	82 06
264	6.61	0.110	0.15	0.81	74	892	73	16 480	2 147.9	1973	78 06
32	7.00	0.160	0.16	0.81	76	896	69	16 236	2 197.9	1984	84 12
64	21.43	0.090	0.29	0.81	74	892	73	14 367	2 157.6	1984	88 07
32	5.50	0.170	0.30	0.81	74	900	73	14 608	2 205.1	1987	88 04
64	1.10	0.030	0.20	0.84	62	839	67	24 749	2 338.9	1985	86 04 - SUSP 86 05
129	24.85	0.056	0.13	0.64	160	812	31	24 128	2 929.5	1985	86 11
128	17.78	0.079	0.09	0.77	128	817	88	20 074	3 106.7	1985	88 01
128	10.70	0.058	0.11	0.71	125	826	83	19 878	3 101.0	1985	88 03
64	5.70	0.060	0.10	0.77	115	834	85	17 514	2 904.3	1986	86 07
64	37.50	0.086	0.09	0.77	125	821	88	20 131	3 117.0	1986	87 03
2 772					120	844	80	20 770	2 367.3	1966	88 08
420	6.50	0.047	0.29	0.74							
2 352	9.05	0.085	0.15	0.74							
64	11.24	0.038	0.20	0.80				19 944	2 325.3	1971	75 12
64	4.30	0.054	0.20	0.81	66	857	83	14 519	2 310.7	1980	83 12 - SUSP 82 11
64	9.26	0.087	0.20	0.81	71	844	83	15 018	2 312.2	1971	83 12 - GPP
64	7.10	0.069	0.30	0.81				21 423	2 333.6	1973	83 12
128	9.31	0.070	0.30	0.74	119	845	80	15 017	2 369.9	1982	86 12
461	3.06	0.200	0.40	0.87	45	892	35	8 252	1 112.6	1979	85 01 - GPP
64	2.00	0.180	0.40	0.91	39	866	32	9 501	1 288.0	1981	83 12 - SUSP 85 05
128	3.21	0.240	0.39	0.83	66	859	42	9 502	1 354.4	1982	84 02 - GPP
64	5.48	0.160	0.42	0.83	64	854	40	8 030	1 326.0	1982	86 09 - GPP
192	3.69	0.190	0.32	0.88	50	883	36	9 052	1 309.7	1985	86 11
64	3.30	0.180	0.33	0.85	62	860	36	9 810	1 283.2	1986	87 01 - GPP
64	5.00	0.110	0.57	0.83	69	864	50	8 525	1 306.1	1987	87 12
64	1.10	0.180	0.40	0.83	64	844	47	8 886	1 269.6	1987	88 03
64	3.00	0.230	0.40	0.83	64	832	44	9 915	1 344.0	1983	88 12 - SUSP 86 09
64	2.40	0.180	0.34	0.90	64	878	41	9 428	1 333.5	1987	88 01
465	8.90	0.041	0.28	0.83	61	854	40	9 413	1 330.9	1985	88 06
128	15.18	0.030	0.29	0.86	55	880	45	9 382	1 359.6	1985	86 03
641	12.00	0.063	0.37	0.85	61	875	42	9 598	1 319.4	1985	87 08
64	4.00	0.200	0.27	0.86	55	860	40	9 525	1 332.1	1986	86 07
128	11.70	0.060	0.52	0.92	28	880	42	9 422	1 306.2	1986	88 04

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
		PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3		
MICHICHI 031-17W4 (CONTINUED)								
BANFF G	123.0	0.05		6.0		6.0	2.4	3.6
BANFF H	366.0	0.10		36.6		36.6	15.7	20.9
BANFF I	87.6	0.10		8.8		8.8	4.6	4.2
BANFF L	538.0	0.15		80.7		80.7	8.7	72.0
BANFF M	493.0	0.15		74.0		74.0	6.9	67.1
BANFF N	153.0	<0.01		0.1		0.1	0.1	
BANFF O	515.0	0.10		51.5		51.5	0.3	51.2
BANFF P	30.0	0.10		3.0		3.0		3.0
BANFF Q	146.0	<0.01		0.2		0.2	0.2	
BANFF R	255.0	0.05		12.8		12.8	0.2	12.6
MIKWAN 037-23W4								
VIKING C	65.9	0.10		6.6		6.6	1.2	5.4
VIKING D	17.3	<0.05		0.8		0.8	0.8	
UPPER MANNVILLE F	1 340.0	0.01		13.4		13.4	6.0	7.4
UPPER MANNVILLE G	193.0	0.10		19.3		19.3	4.1	15.2
UPPER MANNVILLE H	341.0	0.10		34.1		34.1	14.4	19.7
LOWER MANNVILLE H	63.5	0.10		6.4		6.4	3.4	3.0
LOWER MANNVILLE J	698.0	0.10		69.8		69.8	15.8	54.0
LOWER MANNVILLE W	50.2	0.10		5.0		5.0	0.1	4.9
D-2 A	450.0	0.30		135.0		135.0	93.4	41.6
D-2 B	450.0	0.35		158.0		158.0	78.9	79.1
D-2 C	290.0	0.10		29.0		29.0	13.1	15.9
D-2 D	262.0	0.20		52.4		52.4	18.8	33.6
D-2 E	155.0	0.20		31.0		31.0	2.3	28.7
D-2 F	149.0	0.20		29.8		29.8	10.9	18.9
D-2 G	30.1	<0.01		0.1		0.1		0.1
D-3 A	339.0	<0.03		9.0		9.0	9.0	
D-3 B	645.0	0.20		129.0		129.0	54.1	74.9
D-3 C	166.0	<0.01		0.4		0.4	0.4	
MINEHEAD 048-18W5								
BELLY RIVER A	236.0	0.15		35.4		35.4	2.1	33.3
CARDIUM A	350.0	0.15		52.5		52.5	5.8	46.7
MINNEHIK-BUCK LAKE 045-05W5								
BELLY RIVER A	215.0	0.10		21.5		21.5	9.5	12.0
BELLY RIVER B	238.0	0.10		23.8		23.8	5.2	18.6
BELLY RIVER C	676.0	0.15		101.0		101.0	20.3	80.7
BELLY RIVER E	250.0	0.10		25.0		25.0	10.2	14.8
BELLY RIVER F	538.0	0.10		53.8		53.8	19.8	34.0
BELLY RIVER G	704.0	0.01		7.0		7.0	3.3	3.7
BELLY RIVER J	182.0	0.10		18.2		18.2	3.1	15.1
BELLY RIVER K	102.0	<0.01		0.1		0.1	0.1	
CARDIUM A	181.0	0.08		14.5		14.5	11.9	2.6
CARDIUM E	102.0	0.10		10.2		10.2	0.8	9.4
CARDIUM J	5 670.0	0.06		340.0		340.0	143.4	196.6
CARDIUM L	627.0	0.05		31.4		31.4	14.9	16.5
CARDIUM N	93.3	<0.01		0.3		0.3	0.3	
CARDIUM O	55.6	<0.01		0.1		0.1		0.1
CARDIUM P	61.4	<0.01		0.1		0.1	0.1	
VIKING A	265.0	<0.01		0.7		0.7	0.7	
VIKING C	195.0	0.10		19.5		19.5	10.8	8.7
VIKING D	124.0	0.10		12.4		12.4	0.7	11.7
VIKING E	42.2	0.20		8.4		8.4	3.5	4.9
VIKING F	42.6	0.20		8.5		8.5	3.0	5.5
VIKING H	200.0	0.20		40.0		40.0	21.2	18.8
VIKING I	64.9	0.15		9.7		9.7	5.1	4.6
VIKING J	60.0	0.20		12.0		12.0	4.2	7.8
OSTRACOD A	774.0	0.20		149.0		149.0	101.3	47.7
OSTRACOD B	66.7	0.15		10.0		10.0	5.7	4.3
OSTRACOD G	180.0	0.20		36.0		36.0	18.8	17.2
OSTRACOD H	78.9	0.15		11.8		11.8	4.6	7.2
OSTRACOD I	153.0	0.15		22.9		22.9	8.9	14.0
OSTRACOD E & F	136.0	0.10		13.6		13.6	1.6	12.0
JURASSIC B	82.8	0.05		4.1		4.1	0.7	3.4
BANFF A	198.0	<0.01		0.1		0.1	0.1	
D-2 A	277.0	<0.01		1.1		1.1	1.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.91	0.040	0.35	0.83	70	870	45	9 554	1 337.8	1985	86 12 - GPP
64	19.69	0.050	0.30	0.83		854	40	9 290	1 341.7	1985	88 12
64	5.50	0.050	0.40	0.83		862	40	8 932	1 326.7	1984	87 12
128	19.50	0.040	0.35	0.83	64	860	47	8 983	1 350.7	1986	87 04
64	21.00	0.065	0.32	0.83	64	875	47	8 481	1 299.5	1986	87 05
64	9.70	0.048	0.38	0.83	64	875	47	9 706	1 367.2	1987	87 05 - ABAND 87 03
64	19.00	0.060	0.17	0.85	50	870	35	9 052	1 359.7	1987	87 10
64	2.30	0.030	0.20	0.85	50	870	35	8 889	1 367.4	1987	87 10 - SUSP 87 07
64	12.90	0.040	0.48	0.85	61	870	42	9 120	1 351.0	1986	88 12 - SUSP 86 09
64	15.00	0.040	0.22	0.85	61	849	42	8 991	1 327.4	1987	88 01
64	2.00	0.090	0.35	0.88	44	839	53	6 683	1 380.0	1980	81 05 - GPP
64	0.92	0.070	0.50	0.84	69	839	42	8 140	1 448.3	1977	78 10 - ABAND 85 06
128	7.34	0.180	0.11	0.89	40	892	50	8 428	1 648.4	1962	82 04
64	2.30	0.220	0.30	0.85	59	819	46	9 304	1 488.3	1980	81 07
128	2.63	0.170	0.33	0.89	40	901	43	9 183	1 473.3	1980	83 04 - GPP
64	1.00	0.170	0.27	0.80	110	797	44	8 856	1 539.0	1980	84 05 - GPP
128	5.50	0.150	0.26	0.90	35	873	47	6 484	1 534.0	1983	84 11 - GPP
64	1.50	0.140	0.55	0.83	62	875	48	9 372	1 574.8	1987	88 01
320	3.29	0.090	0.35	0.73	124	844	64	15 390	1 824.7	1970	88 09
128	6.29	0.097	0.22	0.74	100	833	64	14 018	1 788.7	1979	88 09
128	6.01	0.067	0.25	0.75	110	830	62	13 612	1 756.3	1978	85 12
64	7.30	0.090	0.17	0.75	105	822	47	13 281	1 757.7	1983	84 12
64	6.40	0.080	0.37	0.75	100	838	57	12 850	1 815.0	1985	85 10
128	3.30	0.055	0.22	0.82	70	860	54	13 406	1 811.3	1985	87 08
64	1.20	0.060	0.13	0.75	80	901	74	15 699	1 995.2	1984	88 12 - SUSP 85 12
224	2.99	0.090	0.25	0.75	106	865	63	15 600	1 848.0	1971	88 12 - ABAND 82 12
64	13.00	0.120	0.15	0.76	100	852	76	13 824	1 819.5	1979	80 01
64	3.60	0.120	0.25	0.80	100	877	61	13 341	1 894.5	1985	86 03 - ABAND 87 05
64	7.40	0.100	0.40	0.83	62	828	76	10 506	1 966.6	1986	87 02 - SUSP 87 04
64	6.70	0.160	0.15	0.60	210	816	74	24 951	2 562.8	1968	85 06
65	3.66	0.160	0.32	0.83	74	825	46	9 560	1 191.8	1973	78 10
64	5.60	0.150	0.48	0.85	67	845	46	8 941	1 205.7	1980	81 07
129	6.44	0.140	0.30	0.83	74	845	46	8 717	1 255.6	1981	85 07
64	5.00	0.157	0.40	0.83	74	844	50	7 377	1 176.0	1981	82 08
64	9.00	0.150	0.25	0.83	65	848	52	9 208	1 233.8	1982	83 05
64	13.00	0.150	0.32	0.83	65	848	52	9 315	1 178.2	1983	86 12
64	4.00	0.130	0.34	0.83	65	848	52	10 200	1 212.8	1982	84 01 - GPP
64	3.93	0.140	0.65	0.83	65	848	52	10 842	1 289.9	1984	85 10 - ABAND 85 11
130	2.13	0.110	0.15	0.70	96	815	49	12 070	1 718.0	1960	78 11 - GPP
64	2.13	0.120	0.20	0.78	96	830	49	12 013	1 711.0	1978	81 01
3 314	2.16	0.115	0.15	0.81	125	830	56	16 595	1 559.5	1979	87 01 - GPP
506	1.30	0.140	0.18	0.83	65	805	58	14 911	1 673.3	1980	86 12 - GPP
64	1.58	0.134	0.15	0.81	74	830	66	10 631	1 626.9	1982	82 11 - SUSP 85 07
64	1.50	0.130	0.45	0.81	125	830	56	10 783	1 617.8	1984	85 10 - ABAND 85 11
64	1.50	0.100	0.20	0.80	125	830	56	10 808	1 515.9	1985	86 05 - SUSP 86 09
65	4.88	0.160	0.30	0.75	105		88	14 690	1 805.3	1953	66 11 - SUSP 66 11
192	2.16	0.080	0.30	0.84	156	827	72	18 955	1 846.5	1982	88 03
64	4.00	0.090	0.36	0.84	54	827	72	6 956	1 771.3	1982	83 06 - SUSP 87 04
64	1.10	0.100	0.25	0.80	149	678	82	16 677	1 843.9	1983	88 12
128	1.00	0.070	0.30	0.68	149	821	83	16 791	1 882.7	1984	87 12
945	0.58	0.062	0.30	0.84	56	827	72	14 564	1 895.8	1984	88 07
80	1.76	0.090	0.36	0.80	74	813	60	13 747	1 878.7	1985	87 12
117	1.20	0.090	0.30	0.68	149	825	82	14 062	1 935.5	1986	88 12
704	1.47	0.130	0.21	0.70	160	827	60	17 500	2 051.2	1980	87 04
121	1.50	0.070	0.25	0.70	132	817	72	18 296	2 058.6	1981	83 12
259	1.04	0.130	0.21	0.65	174	812	80	19 450	2 119.9	1985	88 12
64	1.50	0.145	0.19	0.70	174	820	80	18 500	2 074.6	1986	86 06
128	1.66	0.130	0.15	0.65	174	812	80		2 102.5	1988	88 07
64	3.58	0.116	0.27	0.70	174	812	80	18 705	2 139.9	1984	85 11
64	2.00	0.120	0.23	0.70	145	856	70	14 921	2 170.2	1985	85 09
64	7.40	0.078	0.33	0.80	88	879	54	14 156	2 102.5	1985	86 05 - ABAND 87 01
64	24.99	0.043	0.35	0.61	195	801	78	19 840	2 528.3	1975	81 12 - SUSP 81 02

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MITSUE 071-04W5								
GILWOOD A TOTAL	121 700.0			30 050.0	31 030.0	61 080.0	44 836.5	16 243.5
PRIMARY AREA	3 910.0	<0.16		608.0		608.0		
SOLVENT FLOOD AREA	52 000.0	0.25	0.38	13 000.0	19 760.0	32 760.0		
WATER FLOOD AREA	65 760.0	0.25	0.17	16 440.0	11 270.0	27 710.0		
GILWOOD B	344.0	0.20		68.8		68.8	12.6	56.2
MOONEY 072-07W5								
BLUESKY A	1 074.0	0.10		107.0		107.0	3.4	103.6
MORINVILLE 055-25W4								
UPPER MANNVILLE F	378.0	0.05		18.9		18.9	0.3	18.6
LOWER MANNVILLE A	199.0	<0.11		20.2		20.2	20.2	
LOWER MANNVILLE F	120.0	<0.04		3.9		3.9	3.9	
LOWER MANNVILLE L	226.0	<0.03		6.7		6.7	6.7	
LOWER MANNVILLE O	49.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE U	219.0	0.10		21.9		21.9		21.9
D-1 A	55.9	<0.13		7.2		7.2	7.2	
D-1 B	799.0	0.10		79.9		79.9	2.4	77.5
D-1 C	133.0	0.10		13.3		13.3	0.8	12.5
D-3 A	90.6	<0.32		28.6		28.6	28.6	
D-3 B	3 320.0	<0.55		1 820.0		1 820.0	1 602.3	217.7
D-3 C	615.0	0.13		80.0		80.0	67.0	13.0
D-3 D	57.1	0.30		17.1		17.1	6.1	11.0
D-3 E	980.0	0.35		343.0		343.0	87.6	255.4
D-3 F	212.0	<0.01		0.2		0.2		0.2
D-3 G	253.0	0.05		12.7		12.7	2.0	10.7
MORNINGSIDE 042-28W4								
BELLY RIVER A	349.0	0.10		34.9		34.9	1.6	33.3
VIKING A	68.5	0.10		6.9		6.9		6.9
OSTRACOD A	24.2	0.10		2.4		2.4	0.9	1.5
MULLIGAN 082-08W6								
CHARLIE LAKE A	123.0	0.10		12.3		12.3	8.0	4.3
NELSON 043-26W4								
VIKING A	1 344.0	0.10		134.0		134.0	50.2	83.8
NEVIS 039-22W4								
BLAIRMORE B	305.0	<0.01		0.3		0.3	0.3	
BLAIRMORE C	1 264.0	0.20		253.0		253.0	166.3	86.7
BLAIRMORE D	126.0	0.03		3.8		3.8	2.4	1.4
BLAIRMORE F	215.0	0.10		21.5		21.5	9.2	12.3
BLAIRMORE H	144.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE A	2 146.0	0.08		172.0		172.0	106.8	65.2
UPPER MANNVILLE D	392.0	0.10		39.2		39.2	12.0	27.2
UPPER MANNVILLE E	220.0	0.15		33.0		33.0	11.0	22.0
LOWER MANNVILLE A	62.7	<0.01		0.5		0.5	0.5	
DEVONIAN	429.0	<0.04		14.5		14.5	14.5	
D-1 A	28.1	0.03		0.9		0.9	0.7	0.2
D-2 A	274.0	0.30		82.2		82.2	3.1	79.1
D-3 B	238.0	0.16		38.1		38.1	35.8	2.3
D-3 C	222.0	0.22		48.9		48.9	47.4	1.5
D-3 D	191.0	0.20		38.2		38.2	23.3	14.9
D-3 E	1 270.0	0.15		191.0		191.0	138.9	52.1
D-3 F	400.0	<0.03		11.1		11.1	11.1	
D-3 G	240.0	0.30		72.0		72.0	50.5	21.5
NEW NORWAY 044-22W4								
BLAIRMORE	69.1	<0.01		0.2		0.2	0.2	
BASAL QUARTZ C	163.0	<0.01		0.8		0.8	0.8	
D-2	2 150.0	0.65		1 400.0		1 400.0	1 269.6	130.4
D-3	318.0	0.60		191.0		191.0	179.1	11.9
NIPISI 079-08W5								
SLAVE POINT A	353.0	0.10		35.3		35.3	9.0	26.3
SLAVE POINT B	395.0	<0.01		1.1		1.1	1.1	
SLAVE POINT C	435.0	0.10		43.5		43.5	3.2	40.3
SLAVE POINT D	134.0	0.15		20.1		20.1	6.4	13.7
GILWOOD A TOTAL	115 900.0			29 910.0	29 840.0	59 750.0	42 131.8	17 618.2
PRIMARY AREA	3 824.0	0.20		765.0		765.0		
SOLVENT FLOOD AREA	72 700.0	<0.27	0.34	18 900.0	24 910.0	43 810.0		

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
47 396					103	811	60	18 240	1 722.4	1964	88 12
862	8.26	0.110	0.36	0.78							
13 259	5.45	0.144	0.36	0.78							
33 275	3.19	0.124	0.36	0.78							
192	3.03	0.118	0.35	0.77	103	817	63	11 722	1 718.1	1987	88 07
144	4.62	0.247	0.24	0.86	2	953	20		918.6	1987	88 09
16	20.30	0.190	0.32	0.90	40	966	40	8 169	1 020.2	1987	88 03
100	1.52	0.220	0.30	0.85	41	876	46	7 860	1 092.4	1965	75 06 - SUSP 81 01
57	1.83	0.170	0.25	0.90	62	876	47	8 960	1 148.8	1951	88 12 - SUSP 86 05
93	2.59	0.220	0.52	0.89	50	887	44	9 760	1 244.2	1965	84 12 - SUSP 80 07
64	1.00	0.170	0.50	0.90	33	871	43	6 692	1 155.0	1983	84 01 - ABAND 84 09
64	3.90	0.210	0.52	0.87	50	875	46	8 169	1 087.5	1987	88 01
130	2.74	0.030	0.30	0.75	53	839	48	8 720	1 161.6	1953	64 12 - ABAND 60 10
192	7.67	0.110	0.42	0.85	62	822	35	8 110	1 139.8	1986	88 01
64	5.20	0.080	0.40	0.83	64	838	38	7 623	1 121.1	1987	87 10
16	10.97	0.080	0.15	0.75	62	849	56	10 760	1 397.2	1955	76 12 - SUSP 83 03
345	14.90	0.085	0.12	0.84	60	844	60	13 100	1 608.1	1960	88 07
211	3.51	0.110	0.10	0.84	62	849	52	10 790	1 379.8	1963	85 12 - GPP
16	6.00	0.100	0.15	0.70	135	844	42	10 645	1 411.3	1982	83 02
128	9.99	0.120	0.24	0.84	59	890	61	10 412	1 370.6	1982	84 01
64	8.30	0.060	0.21	0.84	59	842	61	16 051	1 642.7	1983	84 03 - ABAND 84 01
64	5.10	0.100	0.14	0.90	45	949	51	10 665	1 332.7	1985	85 12
192	3.17	0.160	0.61	0.92	28	806	38	6 000	959.9	1986	87 05
64	1.00	0.180	0.30	0.85	46	836	57	13 977	1 664.5	1980	88 09
32	1.00	0.120	0.25	0.84	58	918	63	13 088	1 790.5	1984	88 08
64	3.50	0.090	0.23	0.79	92	846	47	10 792	1 172.3	1982	83 05 - GPP
832	2.60	0.120	0.39	0.85	54	841	59	7 913	1 414.5	1985	87 07
65	3.35	0.220	0.20	0.80	89	881	49	9 340	1 404.5	1967	74 04 - ABAND 74 03
817	1.56	0.190	0.42	0.90	53	893	57	10 060	1 391.0	1959	87 12 - GPP
64	2.44	0.130	0.30	0.88	51	870	38	9 450	1 478.0	1977	82 12
128	2.40	0.140	0.35	0.80	70	886	57	11 118	1 418.7	1982	84 06
64	3.00	0.170	0.45	0.80	66	878	54	10 135	1 405.8	1959	88 12 - SUSP 85 10
1 186	2.05	0.170	0.41	0.88	48	915	62	9 977	1 425.8	1977	88 01
128	2.34	0.190	0.20	0.86	48	882	62	10 300	1 405.7	1984	85 07 - GPP
128	1.98	0.160	0.37	0.86	48	885	62	9 977	1 409.5	1987	88 12
64	1.20	0.170	0.40	0.80	64	893	54	11 003	1 404.6	1981	84 06 - ABAND 85 10
199	4.82	0.080	0.20	0.70			58	16 060	1 722.4	1952	52 09 - SUSP 62 05
64	1.30	0.060	0.26	0.76	50	897	45	9 952	1 520.4	1952	88 03
128	4.20	0.085	0.20	0.75	86	826	58	16 382	1 735.4	1986	86 10
7	53.95	0.087	0.20	0.87	53	870	43	16 810	1 856.5	1968	88 12 - GPP
6	65.87	0.080	0.20	0.87	40	870	64	16 820	1 788.3	1967	83 08 - SUSP 87 08
14	31.80	0.065	0.20	0.83	64	876	64	15 730	1 821.5	1969	79 03 - GPP
34	45.81	0.120	0.17	0.82	79	887	38	16 130	1 832.5	1970	84 12 - GPP
64	11.80	0.076	0.15	0.82	74	887	38	14 710	1 755.6	1970	88 12 - ABAND 82 06
20	25.30	0.075	0.23	0.82	79	887	62	14 212	1 892.0	1984	87 11
16	4.88	0.175	0.35	0.77	80	825	56	10 140	1 393.9	1953	58 05 - ABAND 56 06
64	2.50	0.220	0.40	0.77	71	837	44	9 410	1 336.8	1980	84 12 - ABAND 83 02
197	18.70	0.085	0.14	0.80	82	825	54	10 620	1 425.2	1951	81 12
77	15.03	0.044	0.20	0.78	84	839	58	14 070	1 495.7	1951	73 02 - GPP
128	6.30	0.085	0.44	0.92	16	830	54	17 149	1 680.9	1982	85 04
64	12.31	0.082	0.32	0.90	24	840	67	16 666	1 828.8	1984	88 12 - SUSP 85 06
64	12.64	0.090	0.35	0.92	18	860	66	16 972	1 813.7	1985	86 03
64	5.50	0.065	0.35	0.90	32	837	51	15 803	1 725.3	1973	84 02
32 192					65	820	49	18 130	1 708.7	1965	88 07
2 944	2.28	0.104	0.34	0.83							
11 968	6.90	0.155	0.32	0.83							

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
NIPISI 079-08W5 (CONTINUED)								
WATER FLOOD AREA	60 500.0	0.26	0.13	10 240.0	4 926.0	15 170.0		
GILWOOD C TOTAL	4 190.0			629.0	380.0	1 010.0	542.1	467.9
PRIMARY AREA	393.0	0.15		59.0		59.0		
WATER FLOOD AREA	3 800.0	0.15	0.10	570.0	380.0	950.0		
GILWOOD E	135.0	0.15		20.3		20.3	16.2	4.1
GILWOOD F	100.0	<0.05		4.5		4.5	4.5	
GILWOOD G	150.0	0.15		22.5		22.5	11.8	10.7
GILWOOD H	346.0	0.15		52.0		52.0	16.7	35.3
GILWOOD I	272.0	0.10		27.2		27.2	8.5	18.7
KEG RIVER SANDSTONE A	2 350.0	0.25		588.0		588.0	496.3	91.7
KEG RIVER SANDSTONE E	2 050.0	0.35		718.0		718.0	390.0	328.0
KEG RIVER SANDSTONE F	323.0	<0.02		5.5		5.5	5.5	
KEG RIVER SANDSTONE G	355.0	<0.03		8.6		8.6	8.6	
KEG RIVER SANDSTONE H	192.0	0.25		48.0		48.0	23.8	24.2
KEG RIVER SANDSTONE I	130.0	0.25		32.5		32.5	13.1	19.4
KEG RIVER SANDSTONE J	223.0	0.03		6.7		6.7	5.0	1.7
KEG RIVER SANDSTONE K	29.4	<0.02		0.5		0.5	0.5	
KEG RIVER SANDSTONE L	384.0	0.04		15.4		15.4	10.4	5.0
KEG RIVER SANDSTONE M	350.0	0.25		87.5		87.5	11.4	76.1
KEG RIVER SANDSTONE N	22.4	<0.01		0.1		0.1	0.1	
KEG RIVER SANDSTONE O	298.0	0.25		74.5		74.5	10.7	63.8
NITON 055-12W5								
CARDIUM A	135.0	0.15		20.3		20.3	9.8	10.5
CARDIUM B	137.0	0.10		13.7		13.7	6.0	7.7
CARDIUM C	230.0	0.10		23.0		23.0	16.7	6.3
CARDIUM D	176.0	<0.01		0.8		0.8	0.8	
CARDIUM E	142.0	0.15		21.3		21.3	7.4	13.9
CARDIUM F	275.0	0.15		41.3		41.3	8.8	32.5
CARDIUM G	187.0	0.15		28.1		28.1	7.6	20.5
CARDIUM H	39.1	0.10		3.9		3.9		3.9
CARDIUM I	142.0	0.10		14.2		14.2	3.1	11.1
BASAL QUARTZ A	260.0	0.03		7.8		7.8		7.8
BASAL QUARTZ C	168.0	<0.01		0.8		0.8	0.8	
BASAL QUARTZ G	177.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ K	116.0	0.02		2.3		2.3	2.3	
BASAL QUARTZ I & ROCK CREEK A	100.0	0.15		15.0		15.0	9.5	5.5
ROCK CREEK B	49.0	<0.01		0.1		0.1	0.1	
ROCK CREEK C	139.3	0.08		11.1		11.1	6.0	5.1
ROCK CREEK F TOTAL	6 941.0			1 592.0	1 110.0	2 702.0	1 095.6	1 606.4
PRIMARY AREA	401.0	0.23		92.2		92.2		
WATER FLOOD AREA	6 540.0	0.23	0.17	1 500.0	1 110.0	2 610.0		
ROCK CREEK G	140.0	0.10		14.0		14.0	3.0	11.0
ROCK CREEK H	1 492.0	0.15		224.0		224.0	22.4	201.6
ROCK CREEK I	221.0	0.15		33.2		33.2	22.5	10.7
ROCK CREEK J	72.6	0.10		7.3		7.3		7.3
NORMANDVILLE 079-22W5								
JURASSIC A	120.0	0.01		1.3		1.3	1.3	
MISSISSIPPIAN B	23.4	0.04		0.9		0.9	0.9	
D-1 A	531.0	0.35		186.0		186.0	171.1	14.9
D-1 B	805.0	<0.01		0.4		0.4	0.4	
D-3 A	412.0	0.46		190.0		190.0	169.5	20.5
D-3 B	563.0	0.33		186.0		186.0	177.0	9.0
NORRIS 054-18W4								
LOWER VIKING B	104.0	0.10		10.4		10.4	4.2	6.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
17 280	3.30	0.130	0.36	0.83							
1 831					56	820	62	18 090	1 790.4	1969	82 12 - GPP
192	3.16	0.120	0.35	0.83							
1 639	3.58	0.120	0.35	0.83							
64	3.28	0.126	0.38	0.82	65	821	56	9 628	1 675.8	1979	85 06
64	2.30	0.130	0.37	0.83	61	821	47	7 741	1 678.2	1980	88 12 - SUSP 86 04
128	1.80	0.115	0.32	0.82	65	821	56	10 586	1 680.2	1979	85 06
256	2.12	0.120	0.36	0.83	63	820	62	17 940	1 839.3	1979	88 11
128	3.54	0.134	0.44	0.80	63	819	62	18 100	1 858.3	1984	87 08
1 814	1.46	0.143	0.27	0.85	65	820	56	18 000	1 747.1	1966	79 12 - SUSP 87 04
493	4.06	0.180	0.33	0.85	55	820	50	15 027	1 733.2	1977	85 06
64	5.00	0.180	0.34	0.85	53	810	54	13 800	1 768.5	1980	86 12 - SUSP 84 06
64	6.40	0.170	0.40	0.85	53	849	52	15 068	1 738.1	1972	88 12 - SUSP 86 02
64	3.40	0.160	0.35	0.85	55	824	43	13 060	1 749.4	1982	83 04
64	1.90	0.180	0.30	0.85	50	830	57	12 622	1 751.0	1982	83 05 - GPP
64	3.50	0.180	0.35	0.85	53	820	52	12 299	1 740.5	1984	87 12 - GPP
64	1.50	0.080	0.55	0.85	55	824	44	12 390	1 748.3	1984	84 08 - ABAND 84 11
64	6.10	0.170	0.32	0.85	55	825	47	12 005	1 745.7	1984	86 12
64	4.60	0.200	0.30	0.85	65	825	49	11 796	1 745.8	1985	85 08
64	0.60	0.137	0.50	0.85	52	825	54	11 285	1 743.2	1985	85 10 - SUSP 86 03
64	3.40	0.230	0.30	0.85	52	828	53	11 637	1 749.7	1986	86 05
64	2.72	0.114	0.22	0.87	48	834	57	9 400	1 427.6	1970	87 01
64	6.00	0.056	0.25	0.85	64	865	42	9 402	1 402.9	1984	85 03
128	2.84	0.100	0.28	0.88	44	856	52	9 086	1 384.4	1984	86 04 - GPP
64	4.00	0.110	0.29	0.88	44	856	52	8 894	1 381.9	1984	88 12 - SUSP 86 07
64	3.35	0.100	0.25	0.88	45	856	52	9 280	1 453.9	1985	86 05
128	4.12	0.080	0.26	0.88	44	856	52	8 666	1 418.7	1985	87 04
64	5.60	0.080	0.26	0.88	44	856	52	10 129	1 422.3	1986	87 04
64	1.60	0.070	0.38	0.88	44	856	52	9 244	1 378.0	1987	87 07 - SUSP 87 04
64	2.97	0.110	0.23	0.88	44	856	52	9 303	1 390.3	1986	86 10
241	1.54	0.160	0.40	0.73	114	839	80	16 440	1 962.0	1968	86 05 - GPP
64	3.66	0.150	0.35	0.73	114	839	80	16 440	1 962.0	1968	76 08 - SUSP 70 03
64	4.63	0.130	0.37	0.73	56	900	80	15 940	1 948.6	1979	79 12 - SUSP 79 09
64	3.00	0.120	0.30	0.72	120	892	65	17 235	1 908.9	1981	88 12 - SUSP 86 09
64	1.52	0.181	0.22	0.73	114	864	76	16 234	1 861.0	1981	88 12
64	1.50	0.110	0.42	0.80	135	883	62	15 299	1 903.8	1985	88 12 - SUSP 86 09
64	4.06	0.113	0.35	0.73	114	864	76	16 139	1 846.7	1981	88 12
2 813					114	839	76	16 270	1 973.0	1965	88 12 - GPP
303	1.96	0.157	0.41	0.73							
2 510	4.43	0.152	0.47	0.73							
64	4.40	0.126	0.46	0.73	115	876	71	15 157	1 910.7	1986	87 04
192	10.57	0.138	0.27	0.73	120	834	70	16 175	1 937.3	1987	87 12
64	4.92	0.170	0.45	0.75				16 160	1 888.0	1974	75 12
64	0.90	0.210	0.25	0.80	93	841	54	14 249	1 948.4	1987	88 11
32	3.66	0.150	0.25	0.90	35	921	33	7 270	821.7	1957	61 02 - ABAND 61 11
16	1.52	0.150	0.25	0.84	62	839	37	10 930	1 066.2	1957	61 02 - ABAND 61 11
365	7.04	0.035	0.28	0.82	68	834	53	18 100	1 766.9	1956	85 12 - GPP
64	77.50	0.030	0.34	0.82	66	855	57	13 647	1 755.9	1984	85 04 - SUSP 85 10
65	21.34	0.046	0.19	0.80	77	825	66	21 820	2 049.8	1949	86 12 - GPP
213	14.57	0.031	0.27	0.80	77	825	66	21 750	2 048.0	1958	87 12 - GPP
64	3.10	0.130	0.55	0.90	42	874	20	5 436	687.3	1982	83 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
NORTHVILLE 052-10W5								
ROCK CREEK A	75.3	<0.01		0.6		0.6	0.6	
JURASSIC A	231.0	0.10		23.1		23.1	2.8	20.3
JURASSIC E	76.1	0.10		7.6		7.6	2.9	4.7
OBERLIN 038-21W4								
MANNVILLE C	197.0	0.04		7.9		7.9	4.5	3.4
OGSTON 089-10W5								
KEG RIVER SANDSTONE A	1 410.0	0.05		70.5		70.5	36.3	34.2
KEG RIVER SANDSTONE B	513.0	<0.01		1.6		1.6	1.6	
OKOTOKS 021-28W4								
WABAMUN A	167.0	<0.01		1.5		1.5	1.5	
OPEN CREEK 042-05W5								
BELLY RIVER B	1 308.0	0.15		196.0		196.0	78.3	117.7
BELLY RIVER E	128.0	0.10		12.8		12.8		12.8
VIKING B	43.2	0.20		8.6		8.6	4.3	4.3
BANFF A	224.0	<0.02		4.3		4.3	4.3	
OTTER 088-12W5								
SLAVE POINT A	3 000.0	0.20		600.0		600.0	91.5	508.5
GRANITE WASH A	3 679.0	0.20		736.0		736.0	274.6	461.4
GRANITE WASH D	49.7	0.15		7.5		7.5	4.0	3.5
GRANITE WASH F	2 056.0	0.30		617.0		617.0	133.4	483.6
GRANITE WASH I	1 038.0	0.30		311.0		311.0	73.4	237.6
GRANITE WASH J	173.0	0.30		51.9		51.9	5.9	46.0
GRANITE WASH K	161.0	0.20		32.2		32.2	3.5	28.7
GRANITE WASH M	273.0	0.15		41.0		41.0	4.0	37.0
GRANITE WASH N	116.0	0.20		23.2		23.2	1.2	22.0
PADDLE RIVER 057-08W5								
D-2 A	181.0	<0.13		22.2		22.2	22.2	
PAKOWKI LAKE 004-07W4								
SUNBURST A	62.1	<0.01		0.4		0.4	0.4	
SUNBURST B	168.0	0.10		16.8		16.8	6.6	10.2
PANNY 096-06W5								
KEG RIVER A	484.0	0.25		121.0		121.0	52.0	69.0
KEG RIVER B	244.0	0.25		61.0		61.0	11.6	49.4
KEG RIVER C	1 220.0	0.30		366.0		366.0	148.4	217.6
KEG RIVER D	2 600.0	0.40		1 040.0		1 040.0	235.8	804.2
KEG RIVER E	78.0	0.30		23.4		23.4	14.9	8.5
KEG RIVER F	300.0	0.25		75.0		75.0	11.7	63.3
KEG RIVER G	350.0	0.35		122.0		122.0	40.5	81.5
KEG RIVER H	243.0	0.30		72.9		72.9	7.2	65.7
KEG RIVER I	477.0	0.30		143.0		143.0	24.5	118.5
KEG RIVER J	171.0	0.25		42.8		42.8	7.4	35.4
KEG RIVER K	266.0	0.25		66.5		66.5	9.2	57.3
KEG RIVER L	86.6	0.25		21.7		21.7	2.0	19.7
KEG RIVER M	177.0	0.25		44.3		44.3	4.7	39.6
KEG RIVER N	148.0	0.25		37.0		37.0	0.2	36.8
KEG RIVER O	181.0	0.25		45.3		45.3	0.4	44.9
KEG RIVER P	312.0	0.25		78.0		78.0	12.4	65.6
KEG RIVER Q	167.0	0.30		50.1		50.1	8.5	41.6
KEG RIVER R	580.0	0.25		145.0		145.0	23.7	121.3
KEG RIVER S	196.0	0.25		49.0		49.0	1.3	47.7
KEG RIVER T	229.0	0.25		57.2		57.2	1.0	56.2
KEG RIVER U	335.0	0.25		83.8		83.8	12.5	71.3
KEG RIVER V	791.0	0.15		119.0		119.0	2.0	117.0
KEG RIVER W	180.0	0.15		27.0		27.0	1.9	25.1
KEG RIVER X	173.0	0.15		26.0		26.0		26.0
KEG RIVER Y	871.0	0.25		218.0		218.0	8.4	209.6
KEG RIVER Z	581.0	0.20		116.0		116.0	1.1	114.9
PARFLESH 025-22W4								
UPPER MANNVILLE C	101.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE D	328.0	0.10		32.8		32.8	8.9	23.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.80	0.100	0.40	0.70	150	813	62	17 000	1 982.9	1984	85 07 - SUSP 85 06
64	8.00	0.095	0.35	0.73	120	885	77	16 002	2 032.7	1981	82 03
64	3.21	0.084	0.37	0.70	130	800	62	17 247	1 999.9	1986	86 08
64	2.77	0.160	0.20	0.87	51	870	47	9 970	1 322.2	1974	80 12 - GPP
320	4.80	0.150	0.29	0.86	62	829	49	16 410	1 506.6	1975	79 12 - GPP
65	7.32	0.220	0.42	0.85	50	829	43	16 040	1 491.1	1976	78 11 - ABAND 82 02
64	6.10	0.100	0.25	0.57	235	811	77	26 200	2 595.9	1978	84 07 - ABAND 83 07
256	7.16	0.145	0.40	0.82	82	815	42	7 620	1 319.9	1966	88 07
64	2.50	0.150	0.35	0.82	65	800	74	7 534	1 344.3	1987	88 12
64	1.00	0.150	0.40	0.75	98	837	72	15 051	1 924.0	1987	88 07
64	4.57	0.111	0.20	0.86	53	876	66	19 370	2 254.0	1974	83 12 - SUSP 80 12
768	9.57	0.065	0.31	0.91	34	833	54	15 837	1 552.7	1981	83 06
1 108	3.06	0.196	0.37	0.88	37	832	43	5 811	1 597.0	1983	87 11
64	0.76	0.191	0.37	0.85	55	840	44	14 756	1 609.0	1983	84 11
601	3.02	0.190	0.33	0.89	36	860	40	16 146	1 594.7	1984	88 09
192	4.25	0.220	0.35	0.89	35	835	44	16 277	1 571.1	1984	86 09
64	3.07	0.183	0.44	0.86	49	829	40	15 922	1 564.4	1986	86 09
64	2.40	0.204	0.41	0.87	38	840	40	15 966	1 578.6	1985	86 03
64	5.16	0.161	0.43	0.90	34	834	43	15 379	1 548.1	1984	87 11 - SUSP 87 07
64	2.73	0.146	0.47	0.86	34	830	43	10 467	1 529.4	1985	87 11 - SUSP 87 11
64	8.84	0.053	0.25	0.80	117	876	70	14 130	1 835.2	1954	71 11 - ABAND 78 10
32	1.80	0.190	0.39	0.93	30	923	33	8 731	889.9	1976	83 05 - SUSP 84 05
64	1.74	0.240	0.31	0.91	32	830	40	8 909	936.9	1984	87 08
192	4.64	0.080	0.22	0.87	51	829	38	12 172	1 169.1	1984	85 08
64	5.90	0.080	0.07	0.87	63	831	38	11 527	1 124.3	1984	85 04
128	14.62	0.090	0.17	0.87	51	829	38	13 029	1 239.7	1984	85 04
421	11.38	0.080	0.22	0.87	51	837	38	12 622	1 232.2	1983	85 04
64	3.45	0.059	0.32	0.88	51	829	38	12 209	1 175.3	1984	85 02
64	8.67	0.084	0.26	0.87	52	840	38	12 537	1 178.9	1985	86 07
64	11.99	0.069	0.24	0.87	51	829	38	12 308	1 194.0	1985	86 07
128	7.00	0.054	0.43	0.88	38	828	38	12 000	1 279.9	1985	87 08
64	14.17	0.072	0.16	0.87	52	830	38	11 702	1 148.8	1986	86 06
64	11.70	0.054	0.52	0.88	44	835	28	13 252	1 277.2	1986	87 02
128	7.86	0.049	0.38	0.87	52	834	38	13 107	1 265.5	1985	87 02
64	3.00	0.073	0.29	0.87	52	845	38	13 053	1 264.5	1986	87 02
64	10.80	0.042	0.30	0.87	47	834	37	13 083	1 257.4	1985	86 03
64	7.54	0.061	0.40	0.84	65	834	38	12 404	1 258.2	1986	87 02 - SUSP 87 05
64	6.14	0.088	0.40	0.87	52	829	38	13 559	1 271.0	1986	87 03 - SUSP 87 03
128	6.50	0.060	0.28	0.87	52	825	38	12 736	1 253.5	1987	88 05
64	7.02	0.057	0.25	0.87	52	837	38	9 577	1 181.8	1987	87 04
64	14.50	0.091	0.22	0.88	51	833	38	12 383	1 241.7	1986	87 04
64	7.84	0.075	0.40	0.87	51	829	38	11 723	1 252.5	1987	87 05
64	8.78	0.067	0.30	0.87	52	836	38	11 318	1 165.1	1987	87 05 - SUSP 87 05
64	10.60	0.081	0.30	0.87	51	829	38	12 166	1 255.1	1987	87 05
128	15.40	0.072	0.36	0.87	52	837	38	12 270	1 183.6	1987	87 08
64	10.30	0.056	0.44	0.87	52	829	38	12 387	1 287.8	1987	87 08
64	7.97	0.071	0.45	0.87	52	829	38	12 147	1 194.0	1987	87 08
64	21.90	0.094	0.24	0.87	52	820	38	11 756	1 149.2	1987	87 12
64	15.20	0.093	0.27	0.88	51	840	38	12 019	1 218.9	1986	87 12
64	2.00	0.160	0.40	0.82	70	847	49	10 293	1 493.3	1981	83 04 - SUSP 83 04
64	9.50	0.130	0.50	0.83	66	860	37	8 765	1 442.0	1981	83 09

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PARFLESH 025-22W4 (CONTINUED)								
UPPER MANNVILLE G WATER FLOOD	1 120.0	0.10	0.38	112.0	426.0	538.0	470.3	67.7
LOWER MANNVILLE B	383.0	<0.02		4.3		4.3	4.3	
LOWER MANNVILLE D	211.0	0.05		10.5		10.5	0.5	10.0
PEARCE 009-24W4								
D-2 A	108.0	0.15		16.2		16.2	9.5	6.7
PEARL 030-16W4								
BANFF A	61.2	0.15		9.2		9.2	6.1	3.1
PEAVEY 056-24W4								
MIDDLE VIKING A	529.0	0.20		106.0		106.0	88.0	18.0
MIDDLE VIKING B	52.0	0.10		5.2		5.2	0.2	5.0
BLAIRMORE TOTAL	1 896.0			379.0	63.6	443.0	219.5	223.5
PRIMARY AREA	1 260.0	0.20		252.0		252.0		
WATER FLOOD AREA	636.0	0.20	0.10	127.0	63.6	191.0		
BLAIRMORE B	225.0	<0.01		0.9		0.9	0.9	
BLAIRMORE C	79.3	0.10		7.9		7.9	5.1	2.8
BLAIRMORE D	43.0	0.10		4.3		4.3	0.7	3.6
BLAIRMORE E	79.1	0.10		7.9		7.9	0.8	7.1
BLAIRMORE F	73.0	0.10		7.3		7.3	0.1	7.2
PECO 047-15W5								
BELLY RIVER C	2 640.0	0.10		264.0		264.0	79.6	184.4
BELLY RIVER D	202.0	0.10		20.2		20.2	1.5	18.7
BELLY RIVER E	402.0	0.10		40.2		40.2	6.1	34.1
BELLY RIVER G	52.6	<0.10		5.2		5.2	5.2	
BELLY RIVER H	341.0	0.10		34.1		34.1	9.8	24.3
BELLY RIVER I	157.0	0.10		15.7		15.7		15.7
BELLY RIVER J	200.0	0.10		20.0		20.0		20.0
BELLY RIVER K	393.0	0.15		59.0		59.0	1.6	57.4
BELLY RIVER L	154.0	0.10		15.4		15.4	0.1	15.3
CARDIUM C	228.0	0.10		22.8		22.8	14.6	8.2
CARDIUM D	47.3	0.10		4.7		4.7	0.9	3.8
CARDIUM E	33.4	0.25		5.0		5.0	2.9	2.1
CARDIUM F	38.0	<0.01		0.1		0.1	0.1	
CARDIUM G	199.0	0.10		19.9		19.9	8.2	11.7
CARDIUM H	76.6	0.10		7.7		7.7	1.0	6.7
GETHING B	185.0	0.10		18.5		18.5	4.5	14.0
PEMBINA 048-07W5								
KEYSTONE BELLY RIVER B TOTAL	29 300.0			3 740.0	5 940.0	9 680.0	6 349.4	3 330.6
PRIMARY AREA	2 050.0	0.10		205.0		205.0		
WATER FLOOD AREA	27 200.0	0.13	0.22	3 530.0	5 940.0	9 470.0		
KEYSTONE BELLY RIVER C TOTAL	19 080.0			2 480.0	2 608.0	5 088.0	3 501.6	1 586.4
PRIMARY AREA	3 740.0	0.13		486.0		486.0		
WATER FLOOD AREA	15 340.0	0.13	0.17	1 994.0	2 608.0	4 602.0		
BELLY RIVER G	215.0	<0.14		29.9		29.9	29.9	
BELLY RIVER H	923.0	0.10		92.3		92.3	52.5	39.8
BELLY RIVER I TOTAL	9 540.0			1 310.0	975.0	2 290.0	1 057.7	1 232.3
PRIMARY AREA	4 440.0	0.13		565.0		565.0		
WATER FLOOD AREA	5 100.0	<0.15	0.20	746.0	975.0	1 720.0		
BELLY RIVER J WATER FLOOD	1 420.0	0.10	0.25	142.0	356.0	498.0	180.0	318.0
KEYSTONE BELLY RIVER K	208.0	0.15		31.2		31.2	26.3	4.9
KEYSTONE BELLY RIVER L TOTAL	4 090.0			447.0	710.0	1 160.0	524.0	636.0
PRIMARY AREA	1 130.0	0.05		56.5		56.5		
WATER FLOOD AREA	2 960.0	<0.14	0.24	390.0	710.0	1 100.0		
KEYSTONE BELLY RIVER O	340.0	0.15		51.0		51.0	33.3	17.7
KEYSTONE BELLY RIVER U TOTAL	8 800.0			1 120.0	1 010.0	2 130.0	1 208.4	921.6
PRIMARY AREA	2 780.0	0.13		362.0		362.0		
WATER FLOOD AREA	6 020.0	<0.13	0.17	760.0	1 010.0	1 770.0		
KEYSTONE BELLY RIVER X TOTAL	8 050.0			644.0	1 320.0	1 970.0	528.3	1 441.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
288	2.61	0.230	0.21	0.82	56	858	45	7 970	1 449.3	1963	87 01
65	5.49	0.180	0.25	0.80	71	849	46	10 540	1 491.7	1969	83 12 - SUSP 76 11
64	7.00	0.140	0.60	0.84	67	857	43	10 673	1 537.4	1980	84 05 - GPP
64	4.64	0.070	0.20	0.65	186	829	51	19 884	2 397.0	1977	88 12
64	2.13	0.060	0.15	0.88	51	894	38	9 184	1 288.9	1976	88 12 - GPP
146	2.59	0.203	0.25	0.92	37	876	38	6 070	848.0	1951	86 12 - GPP
64	1.30	0.170	0.60	0.92	32	876	32	6 044	851.0	1987	88 06
400					35	876	43	8 270	1 067.1	1952	86 08
272	3.25	0.206	0.23	0.90							
128	3.48	0.206	0.23	0.90							
32	5.00	0.240	0.35	0.90	42	912	33	7 151	1 074.2	1976	84 03 - SUSP 85 11
16	3.90	0.220	0.32	0.85	32	916	35	6 028	1 071.8	1983	84 03
16	3.20	0.160	0.43	0.92	25	898	43	7 487	1 062.9	1985	86 08
16	3.30	0.220	0.26	0.92	32	907	43	6 019	1 067.3	1987	88 06
16	3.90	0.190	0.33	0.92	28	898	40	6 865	1 075.1	1987	88 06
768	6.78	0.100	0.35	0.78	80	806	52	12 921	2 166.2	1983	85 10
64	5.20	0.120	0.35	0.78	90	799	50	11 921	2 000.2	1984	85 03 - SUSP 87 01
128	6.19	0.100	0.35	0.78	52	824	52	13 361	2 205.6	1983	85 03
64	1.80	0.090	0.35	0.78	80	806	52	12 300	2 223.4	1984	85 07 - SUSP 84 11
64	9.55	0.110	0.35	0.78	80	806	52	12 300	2 172.3	1984	85 07
64	5.80	0.120	0.56	0.80	56	810	61	12 103	1 986.1	1985	85 10
64	5.00	0.120	0.35	0.80	56	810	61	12 375	2 092.0	1984	85 10
64	11.00	0.110	0.35	0.78	85	806	50	12 648	2 066.6	1985	85 10
64	4.00	0.140	0.45	0.78	88	830	62	10 258	1 997.8	1985	85 12
156	2.60	0.110	0.15	0.60	204	792	92	25 020	2 464.5	1976	85 12
64	1.40	0.110	0.20	0.60	200	791	74	19 300	2 473.2	1981	82 07
108	0.92	0.070	0.20	0.60	200	786	77	27 183	2 481.9	1982	87 12
64	1.20	0.130	0.40	0.63	175	770	62	26 120	2 427.7	1976	88 12 - SUSP 76 08
192	2.21	0.100	0.22	0.60	210	792	77	31 300	2 486.5	1983	85 03 - GPP
64	1.90	0.150	0.30	0.60	210	788	77	26 175	2 442.8	1986	86 10
64	4.00	0.110	0.18	0.80	350	783	100	26 620	3 048.8	1984	84 12
5 920					42	839	39	6 650	978.1	1956	86 06
672	4.36	0.150	0.47	0.88							
5 248	6.07	0.194	0.50	0.88							
4 917					41	839	39	6 550	979.3	1959	88 12
1 202	3.35	0.190	0.45	0.89							
3 715	4.44	0.190	0.45	0.89							
75	3.05	0.150	0.30	0.89	35	834	42	6 900	1 121.7	1955	76 12 - SUSP 83 03
97	8.63	0.200	0.38	0.89	39	820	43	9 170	1 285.0	1955	88 12 - GPP
4 791					65	834	37	8 070	1 083.9	1954	78 04 - GPP
2 464	3.30	0.186	0.67	0.89							
2 327	4.01	0.186	0.67	0.89							
129	9.60	0.200	0.35	0.88	39	820	42	8 270	1 245.7	1958	78 09 - GPP
49	4.27	0.220	0.48	0.87	43	839	38	6 860	937.3	1961	88 12 - GPP
1 024					42	839	37	6 690	926.6	1962	79 12
192	5.92	0.196	0.43	0.89							
832	3.58	0.196	0.43	0.89							
128	2.99	0.200	0.49	0.87	46	839	36	7 450	921.7	1963	88 12 - GPP
2 270					43	844	41	6 860	1 029.3	1964	85 11
702	4.68	0.183	0.48	0.89							
1 568	4.53	0.183	0.48	0.89							
1 856					40	844	42	7 856	1 040.9	1965	86 06

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
PEMBINA 048-07W5 (CONTINUED)								
PRIMARY AREA	1 090.0	0.08		87.2		87.2		
WATER FLOOD AREA	6 960.0	0.08	0.19	557.0	1 320.0	1 880.0		
BELLY RIVER AA	2 110.0	0.06		127.0		127.0	105.9	21.1
KEYSTONE BELLY RIVER CC	1 230.0	0.15		185.0		185.0	162.2	22.8
BELLY RIVER DD	491.0	<0.01		3.6		3.6	3.6	
BELLY RIVER EE	408.0	<0.01		3.2		3.2	3.2	
BELLY RIVER II	1 400.0	0.05		70.0		70.0	59.8	10.2
BELLY RIVER JJ	254.0	<0.03		6.5		6.5	6.3	0.2
BELLY RIVER KK	1 300.0	0.08		104.0	ERSO	104.0	69.4	34.6
KEYSTONE BELLY RIVER LL	79.6	0.10		8.0		8.0	3.0	5.0
BELLY RIVER MM	715.0	0.05		35.8		35.8	26.9	8.9
KEYSTONE BELLY RIVER QQ	315.0	<0.01		0.4		0.4	0.4	
BELLY RIVER RR	435.0	0.02		8.7		8.7	4.1	4.6
KEYSTONE BELLY RIVER TT	289.0	0.01		2.9		2.9	1.5	1.4
BELLY RIVER XX	224.0	<0.02		2.4		2.4	2.4	
BELLY RIVER FFF, GGG K2K & S2S TOTAL	13 130.0			896.0	254.0	1 150.0	320.1	829.9
PRIMARY AREA	9 500.0	0.06		570.0		570.0		
WATER FLOOD AREA	3 625.0	0.09	0.07	326.0	254.0	580.0		
BELLY RIVER B2B & C2C	575.0	0.10		57.5		57.5	1.6	55.9
BELLY RIVER BBB	126.0	0.10		12.6		12.6	4.0	8.6
BELLY RIVER DDD TOTAL	3 800.0			570.0	440.0	1 010.0	269.0	741.0
PRIMARY AREA	1 600.0	0.15		240.0		240.0		
WATER FLOOD AREA	2 200.0	0.15	0.20	330.0	440.0	770.0		
BELLY RIVER JJJ	292.0	0.03		8.8		8.8	3.0	5.8
BELLY RIVER LLL	545.0	0.05		27.3		27.3	17.8	9.5
BELLY RIVER MMM	350.0	<0.01		0.3		0.3	0.3	
BELLY RIVER NNN	217.0	0.05		10.4		10.4	2.0	8.4
BELLY RIVER RRR	315.0	0.02		6.3		6.3	3.0	3.3
BELLY RIVER TTT	1 895.0	0.10		190.0		190.0	25.2	164.8
BELLY RIVER UUU	793.0	<0.01		1.9		1.9	1.9	
BELLY RIVER VVV	239.0	<0.01		0.2		0.2	0.2	
BELLY RIVER WWW	125.0	<0.01		0.1		0.1		0.1
BELLY RIVER XXX	191.0	<0.01		0.1		0.1		0.1
BELLY RIVER ZZZ	519.0	0.10		51.9		51.9	8.0	43.9
BELLY RIVER A2A	875.0	0.10		87.5		87.5	25.7	61.8
BELLY RIVER E2E	144.0	0.10		14.4		14.4	4.7	9.7
BELLY RIVER F2F	96.6	0.10		9.7		9.7	1.5	8.2
BELLY RIVER G2G	130.0	0.10		13.0		13.0	1.9	11.1
BELLY RIVER L2L	251.0	<0.01		0.9		0.9	0.9	
BELLY RIVER M2M	870.0	0.05		43.5		43.5	4.5	39.0
BELLY RIVER N2N	121.0	0.10		12.1		12.1	0.9	11.2
BELLY RIVER Q2Q	320.0	0.10		32.0		32.0	1.7	30.3
BELLY RIVER R2R	133.0	0.10		13.3		13.3	0.1	13.2
BELLY RIVER U2U	200.0	0.12		24.0		24.0	0.4	23.6
BELLY RIVER W2W	164.0	<0.01		0.1		0.1	0.1	
BELLY RIVER X2X	600.0	0.10		60.0		60.0	1.4	58.6
BELLY RIVER Z2Z	369.0	0.10		36.9		36.9	1.1	35.8
BELLY RIVER A3A	368.0	0.01		3.7		3.7	0.8	2.9
BELLY RIVER B3B	250.0	0.10		25.0		25.0	5.1	19.9
BELLY RIVER E3E	173.0	0.10		17.3		17.3	0.3	17.0
BELLY RIVER F3F	106.0	0.05		5.3		5.3	2.9	2.4
BELLY RIVER G3G	41.0	0.10		4.1		4.1	1.5	2.6
LEA PARK A	335.0	0.15		50.3		50.3	21.5	28.8
CARDIUM TOTAL	1 183 000.0			130 700.0	108 200.0	238 900.0	167 611.9	71 288.1
PRIMARY AREA	278 000.0	<0.09		23 800.0		23 800.0		
SOLVENT FLOOD AREA (LOBSTICK UNIT)	11 000.0	0.14	0.15	1 530.0	1 650.0	3 180.0		
WATER FLOOD AREA	886 700.0	<0.12	0.12	104 700.0	106 300.0	211 000.0		
GAS FLOOD AREA	6 830.0	<0.10	0.04	680.0	273.0	953.0		
CARDIUM B	636.0	0.04		25.4		25.4	19.9	5.5
CARDIUM C	407.0	0.01		4.1		4.1	2.1	2.0
CARDIUM D	211.0	0.05		10.6		10.6	8.0	2.6
CARDIUM E	187.0	0.05		9.4		9.4	5.1	4.3
CARDIUM F	169.0	<0.01		0.3		0.3	0.3	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
224	5.15	0.180	0.41	0.89							
1 632	5.10	0.179	0.48	0.89							
384	5.34	0.205	0.43	0.88	40	844	41	7 380	972.0	1965	84 12 - GPP
586	2.69	0.175	0.50	0.89	40	844	42	7 790	1 058.0	1964	86 12 - GPP
64	8.50	0.180	0.43	0.88	40	844	43	7 240	992.1	1967	88 12 - SUSP 86 12
65	7.13	0.188	0.46	0.87	43	849	42	6 580	1 047.3	1967	76 12 - ABAND 76 09
605	3.15	0.207	0.60	0.89	65	834	44	7 480	1 035.7	1957	84 12 - GPP
64	4.32	0.190	0.45	0.88	40	844	36	6 450	942.7	1967	81 12 - GPP
192	7.17	0.181	0.40	0.87	41	820	49	8 340	1 312.2	1956	85 09 - GPP
65	1.68	0.165	0.50	0.89	40	839	49	7 760	1 061.3	1968	73 02 - GPP
154	6.10	0.140	0.39	0.89	40	829	42	12 820	1 260.3	1968	77 12 - GPP
65	5.76	0.190	0.50	0.89	44	904	38	6 650	973.5	1974	83 12 - SUSP 78 01
65	6.10	0.200	0.38	0.89	43	829	43	10 290	1 296.9	1959	85 12 - GPP
64	4.61	0.200	0.45	0.89	41	844	41	6 070	931.5	1975	81 12 - GPP
64	4.92	0.200	0.60	0.89	62	839	31	6 780	969.6	1978	82 12 - SUSP 85 08
2 624					45	841	32	6 825	990.9	1970	88 11
1 856	6.14	0.180	0.48	0.89							
768	5.56	0.180	0.47	0.89							
128	5.60	0.160	0.43	0.88	40	840	50	7 011	1 179.1	1985	86 09
64	2.00	0.190	0.42	0.89	46	846	22	7 200	940.2	1978	79 05
1 343					65	817	49	10 716	1 447.2	1978	88 04
697	3.14	0.134	0.31	0.79							
646	4.66	0.134	0.31	0.79							
64	4.70	0.170	0.35	0.88	50	854	41	7 750	1 153.1	1979	83 12 - GPP
160	3.20	0.190	0.37	0.89	42	847	45	6 536	908.0	1981	86 12 - GPP
64	6.30	0.150	0.35	0.89	48	840	36	5 829	865.7	1981	82 05 - SUSP 84 02
64	2.70	0.220	0.36	0.89	55	846	40	6 612	995.7	1981	83 12 - GPP
32	8.30	0.212	0.35	0.86	52	862	41	5 757	856.5	1982	86 12 - GPP
320	6.93	0.200	0.52	0.89	66	853	37	7 645	1 046.8	1980	87 07 - GPP
128	5.46	0.210	0.40	0.90	65	901	41	6 160	904.0	1983	88 12 - SUSP 86 12
64	4.60	0.140	0.30	0.83	65	845	52	7 625	1 137.9	1983	86 12 - SUSP 84 06
32	4.40	0.180	0.45	0.90	52	857	41	6 612	901.5	1983	84 03 - SUSP 84 07
64	3.00	0.150	0.20	0.83	65	848	52	7 423	1 161.5	1983	86 12 - SUSP 84 05
64	9.10	0.180	0.45	0.90	65	837	41	6 679	983.0	1958	84 09
473	3.02	0.130	0.38	0.76	65	849	52	9 697	1 345.0	1979	88 06
64	3.20	0.135	0.40	0.87	52	817	49	9 223	1 277.9	1980	86 03 - GPP
64	2.20	0.145	0.45	0.86	52	857	41	7 107	1 024.9	1985	86 04
32	4.40	0.180	0.40	0.85	67	839	36	6 108	910.5	1984	86 07 - SUSP 87 11
64	4.90	0.180	0.50	0.89	46	849	36	5 633	1 025.0	1984	87 12 - SUSP 87 06
128	6.42	0.170	0.30	0.89	66	822	37	8 039	1 090.2	1985	87 07
64	1.99	0.178	0.40	0.89	90	885	44	8 750	1 250.6	1985	86 06 - GPP
64	5.40	0.160	0.35	0.89	66	822	39	8 912	1 056.8	1985	86 07
64	2.94	0.131	0.35	0.83	72	829	39	12 716	1 441.3	1985	86 07 - SUSP 87 02
64	3.86	0.175	0.48	0.89	46	849	36	6 318	963.9	1986	86 08
64	2.75	0.161	0.35	0.89	48	867	25	8 345	1 075.1	1986	86 10 - SUSP 86 10
64	9.86	0.178	0.40	0.89	39	834	43	10 025	1 197.4	1959	87 01
64	6.00	0.180	0.40	0.89	65	822	38	7 998	1 068.0	1984	87 04
64	5.50	0.180	0.30	0.83	75	813	32	8 937	1 226.3	1976	87 04 - GPP
64	5.00	0.180	0.38	0.70	150	791	50	10 014	1 377.8	1979	80 03
64	6.90	0.150	0.70	0.87	49	840	40	10 778	1 256.2	1987	87 12
32	3.77	0.181	0.45	0.88				7 053	1 100.8	1975	88 01 - GPP
32	2.09	0.172	0.60	0.89	50	870	36		947.8	1987	88 02
83	4.20	0.150	0.20	0.80	166	798	52	15 403	1 447.4	1985	88 12
191 669					96	834	46	18 890		1953	88 12 - GPP
49 291	6.77	0.121	0.15	0.81							
908	12.98	0.128	0.10	0.81							
138 489	6.14	0.143	0.10	0.81							
2 981	2.62	0.127	0.15	0.81							
194	4.05	0.116	0.15	0.82	96	834	60	12 410	1 213.7	1963	83 12 - GPP
65	7.01	0.130	0.15	0.81	82	834	44	10 280	1 339.0	1974	78 12 - GPP
64	4.36	0.109	0.15	0.81	80	834	46	18 620	1 806.2	1976	82 12 - GPP
64	2.70	0.150	0.11	0.81	83	834	53	17 540	1 840.1	1978	85 12 - GPP
64	3.49	0.110	0.15	0.81	80	834	50	17 733	1 760.6	1981	83 12 - SUSP 83 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
PEMBINA 048-07W5 (CONTINUED)								
CARDIUM G	125.0	<0.01		0.2		0.2	0.2	
CARDIUM H	96.9	0.15		14.5		14.5	8.0	6.5
CARDIUM I	320.0	0.10		32.0		32.0	4.6	27.4
CARDIUM J	165.0	0.10		16.5		16.5	1.8	14.7
CARDIUM K	247.0	0.10		24.7		24.7	2.9	21.8
CARDIUM L	300.0	0.15		45.0	ERSO	45.0	24.9	20.1
CARDIUM M	311.0	0.02		6.2		6.2	3.5	2.7
CARDIUM N	240.0	0.03		7.2		7.2	3.5	3.7
CARDIUM O	24.7	0.10		2.5		2.5	0.1	2.4
CARDIUM P	274.0	0.20		54.8		54.8	12.7	42.1
CARDIUM Q	129.0	0.10		12.9		12.9	4.3	8.6
CARDIUM R	79.3	0.10		7.9		7.9	2.2	5.7
SECOND WHITE SPECKS A	100.0	0.10		10.0		10.0	3.1	6.9
SECOND WHITE SPECKS B	257.0	0.10		25.7		25.7	4.7	21.0
VIKING B	800.0	0.15		120.0		120.0	107.2	12.8
VIKING D	213.0	<0.01		0.8		0.8		0.8
VIKING E	5.6	0.05		0.3		0.3	0.3	
VIKING F	52.2	0.15		7.8		7.8	5.7	2.1
VIKING G	136.0	0.10		13.6		13.6	1.4	12.2
VIKING H	76.3	0.05		3.8		3.8	0.3	3.5
VIKING I	39.0	0.10		3.9		3.9	0.9	3.0
LOBSTICK GLAUCONITIC J	42.4	0.10		4.2		4.2	1.6	2.6
GLAUCONITIC K	318.0	0.10		31.8		31.8	0.2	31.6
LOBSTICK GLAUCONITIC N	256.0	<0.01		0.1		0.1	0.1	
LOBSTICK GLAUCONITIC P	1 320.0	0.05		66.0		66.0	36.4	29.6
LOBSTICK GLAUCONITIC Q	164.0	<0.01		0.1		0.1	0.1	
LOBSTICK GLAUCONITIC R	1 900.0	0.15		285.0		285.0	90.4	194.6
GLAUCONITIC T	608.0	0.05		30.4		30.4	0.9	29.5
GLAUCONITIC Y	152.0	0.10		15.2		15.2	3.3	11.9
GLAUCONITIC Z	330.0	0.01		3.3		3.3	0.2	3.1
GLAUCONITIC BB	326.0	0.10		32.6		32.6	2.2	30.4
GLAUCONITIC EE	262.0	0.10		26.2		26.2		26.2
LOBSTICK GLAUCONITIC F,L & M	353.0	0.10		35.3		35.3	3.6	31.7
OSTRACOD D	239.0	0.06		14.3		14.3	8.4	5.9
OSTRACOD E TOTAL	3 557.0			437.0	790.0	1 227.0	543.7	683.3
PRIMARY AREA	122.0	0.20		24.5		24.5		
WATER FLOOD AREA	3 435.0	0.12	0.23	412.0	790.0	1 202.0		
OSTRACOD F	185.0	0.10		18.5		18.5	6.9	11.6
OSTRACOD G	400.0	0.21		84.0	ERSO	84.0	62.6	21.4
OSTRACOD H	23.4	<0.01		0.2		0.2	0.2	
OSTRACOD K	351.0	0.10		35.1		35.1	12.5	22.6
OSTRACOD M	103.0	<0.01		0.8		0.8	0.8	
OSTRACOD N	37.1	<0.01		0.1		0.1	0.1	
OSTRACOD O	46.0	<0.01		0.3		0.3	0.3	
KEYSTONE ELLERSLIE A	800.0	0.20		160.0	ERSO	160.0	155.0	5.0
ELLERSLIE D	155.0	0.10		15.5		15.5	1.8	13.7
ELLERSLIE E	423.0	0.03		12.7		12.7	6.5	6.2
ELLERSLIE I	129.0	0.10		12.9		12.9	4.4	8.5
ELLERSLIE L	266.0	<0.01		0.2		0.2	0.2	
ELLERSLIE N	28.2	0.10		2.8		2.8	0.2	2.6
ELLERSLIE O	246.0	0.10		24.6		24.6	0.1	24.5
ELLERSLIE F, JURASSIC C & D	227.0	<0.01		0.2		0.2	0.2	
ELLERSLIE G,K,M & JURASSIC E	4 677.0	0.04		187.0		187.0	64.4	122.6
JURASSIC A	690.0	0.02		13.8		13.8	6.6	7.2
JURASSIC B	242.0	0.10		24.2		24.2	8.9	15.3
JURASSIC F	438.0	0.02		8.8		8.8	2.7	6.1
JURASSIC G	95.7	0.10		9.6		9.6	1.2	8.4
JURASSIC J	215.0	0.10		21.5		21.5	4.9	16.6
JURASSIC K	300.0	0.10		30.0		30.0	11.0	19.0
JURASSIC L	76.8	<0.01		0.1		0.1	0.1	
JURASSIC M	209.0	<0.01		0.9		0.9	0.9	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.81	0.101	0.15	0.81	80	834	56	16 588	1 620.8	1981	82 11 - SUSP 84 01
64	2.00	0.110	0.15	0.81	80	840	40	15 689	1 226.4	1982	86 12
64	5.60	0.120	0.20	0.93	28	873	38	14 445	1 132.2	1983	84 04
64	3.40	0.110	0.15	0.81	80	834	50	15 100	1 844.0	1983	84 04
64	4.88	0.115	0.15	0.81	80	834	50	17 758	1 763.3	1984	85 03
45	5.37	0.160	0.15	0.91	55	835	44	17 790	1 463.9	1984	87 12
64	5.70	0.110	0.10	0.86	53	845	58	19 449	1 744.5	1983	87 12
64	4.20	0.125	0.15	0.84	61	856	56	19 070	1 761.0	1984	87 12
64	0.40	0.140	0.15	0.81	125	830	56	18 400	1 671.8	1984	84 08 - SUSP 87 06
64	4.50	0.130	0.15	0.86	55	835	44	20 565	1 666.1	1986	87 02
64	2.00	0.140	0.15	0.85	57	875	51	16 046	1 195.8	1987	87 12
64	1.20	0.150	0.15	0.81	84	865	45	15 986	1 367.9	1985	86 01 - GPP
64	2.00	0.140	0.30	0.80	85	870	60	19 461	1 799.0	1984	84 09
64	4.30	0.180	0.27	0.71	135	838	53	24 720	1 716.7	1985	86 03
2 010	1.42	0.056	0.26	0.68	156	810	65	18 894	1 931.4	1982	85 08
64	5.20	0.160	0.55	0.89	40	830	40	10 760	1 583.0	1983	83 12 - SUSP 83 09
64	0.23	0.074	0.26	0.69	136	810	74	17 000	1 984.8	1984	86 08 - ABAND 86 02
64	1.35	0.120	0.26	0.71	150	810	74	17 670	1 989.9	1983	87 12
64	3.20	0.120	0.34	0.84	60	768	58	10 773	1 716.2	1985	87 05
64	1.40	0.150	0.20	0.71	150	810	82	17 459	1 980.2	1986	88 02
64	1.60	0.080	0.30	0.68	149	832	55	12 036	1 742.3	1987	88 02
64	1.50	0.120	0.54	0.80	90	876	48	14 047	1 630.3	1981	82 05 - GPP
64	9.40	0.110	0.40	0.80	88	829	64	13 040	1 890.8	1981	82 08
64	8.00	0.120	0.48	0.80	85	889	68	12 905	1 602.5	1980	84 12 - SUSP 82 08
320	8.49	0.116	0.41	0.71	110	871	66	12 039	1 560.0	1982	86 12 - GPP
64	4.10	0.130	0.40	0.80	85	860	56	12 814	1 870.9	1984	85 01 - SUSP 85 07
560	4.71	0.120	0.25	0.80	92	850	52	13 116	1 601.6	1984	87 07
128	9.81	0.110	0.45	0.80	85	877	65	12 365	1 777.3	1985	88 03
64	32.00	0.130	0.26	0.77	95	866	62	12 441	1 643.0	1986	87 04
128	3.58	0.120	0.25	0.80	92	850	52	12 988	1 601.5	1985	87 07
64	8.48	0.100	0.25	0.80	75	868	57	12 450	1 675.0	1986	87 12
64	6.44	0.103	0.20	0.77	95	866	62	13 675	1 614.0	1987	88 08
64	11.30	0.090	0.32	0.80	75	876	60	12 362	1 616.1	1980	85 06
336	1.83	0.090	0.40	0.72	160	839	49	19 170	1 757.8	1975	82 12 - SUSP 87 08
3 257					123	840	57	15 866	1 618.2	1979	88 07
128	1.10	0.154	0.23	0.75							
3 129	1.22	0.160	0.25	0.75							
64	3.98	0.120	0.16	0.72	140	840	64	15 637	1 579.7	1980	88 12
965	0.83	0.100	0.30	0.71	105	810	57	14 953	1 729.7	1979	85 01
64	0.70	0.110	0.34	0.72	140	840	48	13 988	1 626.2	1981	82 08 - SUSP 85 07
64	5.80	0.150	0.16	0.75	109	888	64	15 851	1 591.0	1982	83 05
64	2.80	0.150	0.50	0.77	99	910	60	16 772	1 665.8	1984	88 12 - SUSP 86 01
64	1.10	0.120	0.43	0.77	99	879	60	16 016	1 636.8	1984	85 06 - ABAND 85 07
64	1.60	0.110	0.44	0.73	120	793	58	13 980	1 620.8	1980	85 08 - SUSP 85 09
333	2.90	0.140	0.20	0.74	115	865	69	15 550	1 769.5	1957	85 04
64	4.80	0.090	0.30	0.80	99	832	46	17 794	2 323.3	1978	81 12 - SUSP 88 06
64	14.00	0.090	0.30	0.75	99	832	46	17 961	2 319.5	1980	84 12
64	2.80	0.130	0.25	0.74	116	863	67	14 728	1 561.1	1983	83 07
64	6.90	0.134	0.40	0.75	110	860	60	16 835	2 075.5	1984	85 01 - SUSP 85 03
64	1.20	0.070	0.30	0.75	115	855	60	21 103	2 243.3	1985	86 03 - SUSP 87 02
64	6.10	0.129	0.34	0.74	110	870	55	15 957	1 688.1	1987	88 01
64	6.13	0.120	0.30	0.69	155	850	50	14 760	2 110.0	1981	83 03 - SUSP 82 08
1 510	4.90	0.140	0.39	0.74	99	870	60	15 694	1 695.7	1982	88 01
64	17.50	0.110	0.30	0.80	91	870	37	12 993	2 298.8	1979	88 12 - GPP
64	5.20	0.130	0.30	0.80	80	848	78	19 557	2 277.1	1980	82 11
128	6.09	0.090	0.22	0.80	176	830	79	18 950	2 383.6	1982	86 12
64	4.00	0.085	0.45	0.80	83	896	70	13 237	2 082.0	1982	83 11
128	3.35	0.110	0.43	0.80	92	865	50	15 579	1 735.6	1983	87 12
64	5.25	0.162	0.31	0.80	176	826	79	19 999	2 263.3	1982	85 11
64	2.00	0.150	0.50	0.80	80	860	60	16 565	1 958.5	1984	85 01 - SUSP 85 06
64	4.50	0.145	0.41	0.85	92	895	55	15 050	1 770.8	1985	86 05 - ABAND 87 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
PEMBINA 048-07W5 (CONTINUED)								
JURASSIC N	172.0	0.10		17.2		17.2	1.6	15.6
JURASSIC O	180.0	<0.01		0.1		0.1	0.1	
JURASSIC P	271.0	<0.01		0.1		0.1	0.1	
JURASSIC Q	315.0	0.10		31.5		31.5	3.3	28.2
JURASSIC R	949.0	0.10		94.9		94.9	15.8	79.1
JURASSIC S	213.0	0.10		21.3		21.3	0.8	20.5
JURASSIC T	185.0	0.10		18.5		18.5	5.4	13.1
JURASSIC U	95.0	0.10		9.5		9.5		9.5
JURASSIC V	167.0	0.10		16.7		16.7		16.7
PEKISKO A	118.0	<0.12		13.8		13.8	13.8	
PEKISKO B	98.6	0.10		9.9		9.9	1.5	8.4
BANFF A	705.0	<0.01		0.4		0.4	0.4	
BANFF B	525.0	<0.01		0.1		0.1	0.1	
BANFF C	104.0	<0.01		0.1		0.1	0.1	
BLUERIDGE A	650.0	0.15		97.5		97.5	49.5	48.0
BLUERIDGE B	364.0	<0.01		1.3		1.3	1.3	
BLUERIDGE C	199.0	<0.02		2.8		2.8	2.8	
BLUERIDGE D	410.0	0.15		61.5		61.5	20.0	41.5
NISKU A SOLVENT FLOOD	3 000.0	0.40	0.35	1 200.0	1 050.0	2 250.0	1 101.9	1 148.1
NISKU B WATER FLOOD	80.0	0.20	0.15	16.0	12.0	28.0	15.2	12.8
NISKU C WATER FLOOD	1 430.0	0.30	0.20	429.0	286.0	715.0	606.4	108.6
NISKU D SOLVENT FLOOD	4 800.0	0.40	0.32	1 920.0	1 540.0	3 460.0	2 089.0	1 371.0
NISKU E WATER FLOOD	700.0	0.20	0.13	140.0	90.0	230.0	160.0	70.0
NISKU F SOLVENT FLOOD	2 100.0	0.35	0.27	735.0	565.0	1 300.0	183.5	1 116.5
NISKU G SOLVENT FLOOD	3 000.0	0.40	0.30	1 200.0	900.0	2 100.0	1 314.8	785.2
NISKU H WATER FLOOD	450.0	0.30	0.22	135.0	99.0	234.0	103.1	130.9
NISKU I WATER FLOOD	750.0	0.20	0.20	150.0	150.0	300.0	105.7	194.3
NISKU J WATER FLOOD	1 200.0	0.35	0.12	420.0	144.0	564.0	281.8	282.2
NISKU K SOLVENT FLOOD	2 600.0	0.40	0.40	1 040.0	1 040.0	2 080.0	1 120.0	960.0
NISKU L SOLVENT FLOOD	5 000.0	0.25	0.57	1 250.0	2 850.0	4 100.0	1 992.0	2 108.0
NISKU M SOLVENT FLOOD	2 850.0	0.40	0.35	1 140.0	998.0	2 140.0	1 142.6	997.4
NISKU N WATER FLOOD	1 600.0	0.35	0.10	560.0	160.0	720.0	235.3	484.7
NISKU O SOLVENT FLOOD	1 700.0	0.40	0.33	680.0	650.0	1 240.0	569.0	671.0
NISKU P SOLVENT FLOOD	4 250.0	0.40	0.38	1 700.0	1 615.0	3 315.0	1 537.6	1 777.4
NISKU Q SOLVENT FLOOD	2 800.0	0.40	0.44	1 120.0	1 230.0	2 350.0	759.7	1 590.3
NISKU R WATER FLOOD	400.0	0.30	0.18	120.0	72.0	192.0	106.6	85.4
NISKU S WATER FLOOD	700.0	0.40	0.10	280.0	70.0	350.0	200.1	149.9
PENDANT D'OREILLE 003-08W4								
MANNVILLE F	170.0	<0.01		0.2		0.2	0.2	
PENHOLD 036-27W4								
VIKING A	125.0	<0.03		3.7		3.7	3.7	
VIKING B	680.0	0.15		102.0		102.0	63.5	38.5
VIKING C	40.4	<0.01		0.1		0.1		0.1
VIKING D	83.9	<0.01		0.4		0.4	0.4	
VIKING E	709.0	0.05		35.5		35.5	8.1	27.4
VIKING G	21.8	0.15		3.3		3.3	2.3	1.0
LOWER MANNVILLE A	1 490.0	0.06		89.4		89.4	53.8	35.6
LOWER MANNVILLE D	206.0	0.10		20.6		20.6	2.7	17.9
LOWER MANNVILLE E	296.0	0.10		29.6		29.6	5.2	24.4
LOWER MANNVILLE F	76.9	0.10		7.6		7.6	4.0	3.6
D-2 A	408.0	<0.03		10.1		10.1	10.1	
D-2 B	163.0	0.25		40.8		40.8	7.5	33.3
D-3 A	183.0	<0.02		3.4		3.4	3.4	
PINCHER CREEK 005-30W4								
LOWER MANNVILLE A	377.0	0.10		37.7		37.7	0.2	37.5
LOWER MANNVILLE B	77.6	0.10		7.8		7.8	0.2	7.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.31	0.164	0.38	0.80	90	885	44	15 625	1 776.6	1986	86 06
64	7.50	0.086	0.34	0.66	176	828	79	20 052	2 269.8	1985	86 07 - SUSP 86 02
64	8.72	0.098	0.25	0.66	176	828	25	18 840	2 294.5	1985	86 11 - SUSP 86 02
64	9.60	0.100	0.36	0.80	176	828	79	18 086	2 279.6	1986	86 12
326	3.37	0.180	0.40	0.80	90	871	60	15 751	1 799.4	1986	88 03
64	6.72	0.087	0.29	0.80	176	828	79	22 027	2 263.5	1987	87 08
64	2.70	0.180	0.15	0.70	140	810	79	14 759	2 490.4	1978	80 11
64	2.30	0.130	0.25	0.66	176	828	79	14 775	2 454.6	1986	88 09
64	5.50	0.120	0.40	0.66	176	828	79	17 210	2 512.8	1981	88 11
65	1.83	0.150	0.20	0.83	53	910	88	19 620	1 868.4	1960	64 04 - SUSP 69 11
32	6.10	0.094	0.36	0.84	61	915	65	14 486	1 910.3	1986	87 05
64	10.00	0.200	0.32	0.81	75	880	60	17 285	1 641.0	1981	82 04 - ABAND 83 01
64	9.00	0.150	0.25	0.81	88	866	32	18 684	1 585.4	1983	83 11 - ABAND 83 10
64	3.06	0.113	0.42	0.81	84	866	56	17 370	1 689.8	1984	85 07
145	15.10	0.065	0.25	0.61	138	816	83	25 639	2 606.1	1977	79 08
64	22.10	0.050	0.22	0.66	162	811	83	17 343	2 796.0	1979	81 01 - ABAND 83 11
64	11.80	0.050	0.20	0.66	162	790	83	19 443	2 712.5	1979	84 12 - ABAND 85 08
64	30.20	0.059	0.41	0.61	210	829	84	22 635	2 587.3	1981	82 04
105	68.69	0.080	0.20	0.65	185	806	100	33 900	3 005.4	1977	88 04
34	7.47	0.085	0.26	0.50	318	780	99	30 175	2 911.0	1977	84 09 - SUSP 87 09
145	13.30	0.120	0.13	0.71	145	825	84	26 210	2 640.8	1977	80 03
143	39.00	0.120	0.10	0.80	140	841	82	25 781	2 583.7	1978	86 06
77	40.00	0.040	0.20	0.71	121	834	84	28 230	2 717.6	1977	82 09
170	16.66	0.119	0.18	0.76	89	852	83	26 640	2 550.2	1978	88 04
133	54.30	0.080	0.20	0.65	123	810	96	28 000	2 908.2	1978	81 05
76	10.12	0.095	0.12	0.70	148	833	89	27 173	2 767.7	1978	84 01
53	54.60	0.047	0.21	0.70	115	811	94	25 007	2 903.5	1978	85 08
69	52.40	0.066	0.25	0.67	142	809	90	27 730	2 791.0	1978	80 09
51	73.30	0.127	0.18	0.67	147	808	92	29 060	2 886.1	1978	87 04
253	30.10	0.105	0.12	0.71	124	821	93	28 620	2 869.7	1978	85 09
78	65.00	0.090	0.07	0.69	140	820	92	28 452	2 845.5	1979	83 07
85	29.13	0.110	0.11	0.66	164	809	88	27 460	2 757.5	1979	85 12
140	18.93	0.118	0.16	0.65	148	809	88	30 861	2 844.3	1979	87 12
170	42.34	0.103	0.09	0.63	186	800	93	28 992	2 905.0	1979	87 05
122	33.86	0.098	0.09	0.76	150	819	91	28 719	2 871.5	1980	85 05
64	10.86	0.095	0.11	0.68	148	827	89	27 299	2 762.4	1980	84 01
35	35.42	0.096	0.16	0.70	127	831	84	26 542	2 632.0	1981	84 01
65	2.44	0.200	0.35	0.83	80	855	38	8 270	910.4	1969	70 09 - ABAND 70 06
64	3.13	0.110	0.30	0.81	78	849	51	8 630	1 680.4	1976	79 09 - SUSP 81 12
1 078	1.25	0.100	0.36	0.79	65	850	55	8 953	1 696.2	1981	87 03
64	1.50	0.130	0.60	0.81	66	812	68	10 140	1 748.3	1983	84 09 - ABAND 84 10
64	1.30	0.180	0.30	0.80	76	820	66	10 569	1 678.4	1982	84 12 - ABAND 85 10
256	5.02	0.100	0.31	0.80	76	837	60	7 695	1 710.2	1982	88 05
64	1.00	0.070	0.40	0.81	60	831	64	7 645	1 714.5	1986	88 12
231	7.40	0.130	0.14	0.78	91	877	69	14 760	1 885.2	1960	79 08 - GPP
64	4.00	0.120	0.14	0.78	91	830	69	16 068	1 986.5	1986	86 11
192	2.08	0.130	0.27	0.78	91	847	69	12 875	1 979.2	1986	88 03
64	2.30	0.100	0.33	0.78	91	830	69	13 393	2 035.4	1986	87 05
192	6.40	0.060	0.21	0.70	160	805	82	20 930	2 299.8	1961	83 07 - ABAND 84 01
64	9.04	0.055	0.28	0.71	154	806	83	21 101	2 303.0	1985	86 04
65	5.18	0.109	0.17	0.60	217	825	77	20 410	2 312.5	1968	75 12 - SUSP 75 04
64	11.80	0.120	0.46	0.77	95	845	65	16 036	2 922.7	1983	85 02
64	3.30	0.090	0.47	0.77	95	845	65	15 647	2 875.2	1983	85 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PINE CREEK 057-19W5								
BELLY RIVER A	87.0	0.10		8.7		8.7	0.6	8.1
BELLY RIVER B	212.0	0.10		21.2		21.2	1.3	19.9
CARDIUM L	64.6	0.10		6.5		6.5	4.7	1.8
CARDIUM N	151.0	0.10		15.1		15.1	4.5	10.6
CARDIUM O	157.0	0.10		15.7		15.7	1.5	14.2
CARDIUM P	340.0	0.10		34.0		34.0	21.3	12.7
CARDIUM Q	29.3	0.10		2.9		2.9	0.9	2.0
CARDIUM S	48.5	0.10		4.9		4.9		4.9
CARDIUM T	30.1	0.10		3.0		3.0	0.2	2.8
CARDIUM H & I	6 100.0	0.10		610.0		610.0	339.6	270.4
CARDIUM J & K	22.8	0.10		2.3		2.3	1.5	0.8
SECOND WHITE SPECKS A	2 860.0	0.10		286.0	ERSO	286.0	233.7	52.3
SECOND WHITE SPECKS C	384.0	0.05		19.2		19.2	3.2	16.0
SECOND WHITE SPECKS D	258.0	0.15		38.7		38.7	6.1	32.6
D-3 C	113.0	<0.28		31.5		31.5	31.5	
PINE NORTH-WEST 058-20W5								
SECOND WHITE SPECKS A	894.0	0.02		17.9		17.9	8.6	9.3
PINEDALE 054-16W4								
VIKING A	70.5	<0.01		0.1		0.1	0.1	
POUCE COUPE 080-12W6								
CHARLIE LAKE A	114.0	<0.01		0.3		0.3	0.3	
BOUNDARY A	132.0	<0.01		0.1		0.1	0.1	
HALFWAY A	153.0	<0.01		0.1		0.1	0.1	
HALFWAY B	124.0	<0.01		0.2		0.2	0.2	
HALFWAY C	616.0	0.15		92.4		92.4	19.4	73.0
HALFWAY D	458.0	0.10		45.8		45.8	2.7	43.1
DOIG A	255.0	<0.01		1.3		1.3	1.3	
POUCE COUPE SOUTH 078-12W6								
BOUNDARY B TOTAL	6 660.0			732.0	470.0	1 202.0	340.1	861.9
PRIMARY AREA	1 438.0	0.11		158.0		158.0		
WATER FLOOD AREA	5 222.0	0.11	0.09	574.0	470.0	1 044.0		
BOUNDARY C	133.0	0.10		13.3		13.3	10.8	2.5
BOUNDARY D	67.8	0.10		6.8		6.8	1.5	5.3
BOUNDARY E	113.0	0.10		11.3		11.3	4.3	7.0
BOUNDARY F	125.0	0.10		12.5		12.5	3.6	8.9
BOUNDARY G	603.0	0.20		121.0		121.0		121.0
BDY A & CH LK B TOTAL	2 950.0			295.0	170.0	465.0	166.3	298.7
PRIMARY AREA	1 950.0	0.10		195.0		195.0		
WATER FLOOD AREA	998.0	0.10	0.17	99.8	170.0	270.0		
DOIG C	219.0	0.10		21.9		21.9	3.6	18.3
PREVO 039-01W5								
VIKING A	160.0	0.20		32.0		32.0	28.7	3.3
VIKING B	64.5	0.20		12.9		12.9	8.5	4.4
VIKING D	56.8	0.25		14.2		14.2	5.4	8.8
VIKING E	24.4	0.15		3.7		3.7	1.7	2.0
VIKING F	106.0	0.15		15.9		15.9	1.5	14.4
VIKING G	64.6	0.15		9.7		9.7	4.0	5.7
VIKING H	310.0	0.10		31.0		31.0	13.6	17.4
UPPER MANNVILLE A	106.0	0.06		6.4		6.4	5.0	1.4
UPPER MANNVILLE B	1 870.0	0.10		187.0		187.0	47.2	139.8
LOWER MANNVILLE C	359.0	0.10		35.9		35.9	7.8	28.1
LOWER MANNVILLE D	37.7	0.10		3.8		3.8	1.4	2.4
PEKISKO A	170.0	0.10		17.0		17.0	4.7	12.3
PROGRESS 077-09W6								
DOE CREEK A	5 242.0	0.05		262.0		262.0	64.4	197.6
CHARLIE LAKE A	87.7	<0.01		0.1		0.1		0.1
CHARLIE LAKE B	14.5	0.10		1.5		1.5	0.3	1.2
CHARLIE LAKE C	145.0	0.10		14.5		14.5	1.1	13.4
CHARLIE LAKE E	122.0	0.10		12.2		12.2	0.3	11.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.80	0.130	0.30	0.83	68	837	55	7 824	1 483.5	1957	85 10
64	5.00	0.160	0.50	0.83	64	812	50	11 626	1 476.3	1986	88 01
64	2.20	0.087	0.15	0.62	190	821	60	19 768	1 801.7	1980	82 03
64	3.20	0.150	0.30	0.70	135	820	65	19 991	1 786.5	1981	82 02
64	4.20	0.120	0.36	0.76	185	793	86	21 727	1 956.5	1985	85 08
959	1.20	0.070	0.34	0.64	185	793	86	22 082	2 047.0	1986	88 04
64	1.90	0.053	0.35	0.70	167	802	73	19 860	2 200.2	1987	88 02
64	1.60	0.100	0.26	0.64	185	793	86	20 158	1 996.8	1984	87 08
64	0.80	0.120	0.30	0.70	180	795	71	19 880	1 935.4	1984	85 12
4 160	2.24	0.110	0.15	0.70	167	805	68	21 745	1 976.2	1974	82 02
64	1.20	0.050	0.15	0.70				22 654	2 037.2	1980	81 09 - GPP
1 066	10.00	0.042	0.10	0.71	127	815	77	27 188	2 263.7	1973	79 01
64	6.50	0.200	0.35	0.71	140	833	63	24 033	1 878.5	1981	83 12 - SUSP 87 07
64	15.00	0.042	0.10	0.71	123	839	79		2 051.7	1987	88 02
64	5.23	0.063	0.15	0.63	204	801	107	32 010	3 304.2	1959	76 05 - ABAND 79 08
128	15.40	0.070	0.19	0.80	78	806	68	20 480	1 868.7	1975	88 11 - GPP
64	1.20	0.170	0.40	0.90	38	856	33	4 741	645.4	1982	83 07 - SUSP 83 09
64	3.10	0.150	0.49	0.75	95	826	70	12 976	1 596.6	1984	85 03 - SUSP 85 09
64	4.00	0.080	0.14	0.75	100	855	60	10 905	1 598.0	1982	85 11 - SUSP 85 06
65	3.54	0.098	0.15	0.80	85	855	70	16 200	1 688.6	1975	78 09 - SUSP 75 03
64	4.80	0.101	0.50	0.80	74	840	55	16 652	1 688.0	1980	82 06 - SUSP 84 04
256	4.99	0.090	0.33	0.80	74	840	56	15 695	1 637.4	1983	85 12
64	9.20	0.120	0.19	0.80	75	847	60	13 899	1 593.4	1985	86 11
64	7.00	0.100	0.25	0.76	102	847	61	14 363	1 613.4	1985	86 11 - SUSP 86 03
2 386					135	826	75	16 720	1 862.8	1980	88 07
576	3.30	0.120	0.16	0.75							
1 810	3.36	0.130	0.12	0.75							
64	1.80	0.170	0.14	0.79	76	834	70	16 633	1 832.6	1973	82 12
64	1.30	0.120	0.14	0.79	76	834	70	16 695	1 819.4	1973	82 12 - SUSP 87 01
64	3.40	0.090	0.27	0.79	82	834	60	16 370	1 776.1	1981	83 01
64	2.70	0.110	0.18	0.80	70	847	70	16 572	1 795.9	1984	84 11
128	4.94	0.163	0.22	0.75	110	814	75	16 782	1 809.7	1986	88 10
1 110					93	834	70	16 408	1 780.7	1971	85 12
720	3.53	0.120	0.19	0.79							
390	2.77	0.136	0.14	0.79							
64	4.50	0.130	0.22	0.75	100	866	59	20 105	2 001.0	1985	86 05
465	0.69	0.080	0.25	0.83	58	827	58	9 634	1 697.7	1984	87 10
128	1.35	0.060	0.25	0.83	58	827	58	9 470	1 810.1	1984	87 11
64	1.50	0.095	0.25	0.83	58	814	58	8 853	1 730.4	1986	87 10
64	0.80	0.080	0.30	0.85	58	831	59	9 804	1 671.3	1985	88 12
128	1.57	0.103	0.36	0.80	80	828	48	9 756	1 677.2	1985	87 10
128	1.35	0.060	0.25	0.83	58	827	58	9 438	2 803.9		87 11 - GPP
311	2.50	0.070	0.33	0.85	58	831	59	13 495	1 752.7	1987	88 10
64	2.42	0.130	0.25	0.70	89	870	66	16 200	1 940.7	1976	84 12 - GPP
192	12.01	0.130	0.22	0.80	75	897	65	15 786	1 841.0	1985	88 02
64	8.00	0.120	0.27	0.80	85	925	19	15 725	1 877.7	1985	86 04
64	1.10	0.100	0.37	0.85	57	887	50	15 561	1 832.9	1987	88 06
64	3.20	0.125	0.20	0.83	65	931	73	11 063	2 008.4	1973	86 11
1 750	1.84	0.238	0.24	0.90	12	836	25	1 689	321.0	1985	88 09
64	2.40	0.100	0.32	0.84	67	813	62	13 268	1 681.2	1982	83 08 - SUSP 84 08
64	0.70	0.070	0.40	0.77	80	850	60	12 935	1 667.1	1983	85 08
128	2.64	0.107	0.48	0.77	80	850	60	12 893	1 658.9	1983	86 04
64	3.70	0.100	0.33	0.77	64	835	54	13 407	1 642.2	1983	85 08 - SUSP 86 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
PROGRESS 077-09W6 (CONTINUED)								
CHARLIE LAKE F	92.9	0.10		9.3		9.3	1.4	7.9
CHARLIE LAKE G	1 250.0	0.10		125.0		125.0	24.6	100.4
CHARLIE LAKE I	196.0	0.10		19.6		19.6	4.7	14.9
CHARLIE LAKE J	138.0	0.10		13.8		13.8	1.6	12.2
CHARLIE LAKE K	173.0	0.10		17.3		17.3	2.4	14.9
CHARLIE LAKE L	269.0	<0.01		0.5		0.5	0.5	
BOUNDARY A	19.4	0.10		1.9		1.9	0.6	1.3
HALFWAY B	6 311.0	0.10		631.0		631.0	184.3	446.7
HALFWAY C	405.0	0.10		40.5		40.5	0.6	39.9
HALFWAY E	1 120.0	0.10		112.0		112.0	37.8	74.2
HALFWAY H	71.5	0.15		10.7		10.7	0.4	10.3
HALFWAY I	74.7	0.15		11.2		11.2	1.2	10.0
HALFWAY J	755.0	0.15		113.0		113.0	30.8	82.2
HALFWAY K	320.0	0.10		32.0		32.0		32.0
HALFWAY M	182.0	0.15		27.3		27.3	2.8	24.5
HALFWAY O	1 682.0	0.20		336.0		336.0	38.2	297.8
HALFWAY P	1 265.0	0.15		190.0		190.0	26.4	163.6
DOIG A	1 592.0	0.01		15.9		15.9	4.3	11.6
PROVOST 036-07W4								
VIKING P	180.0	0.05		9.0		9.0	2.0	7.0
VIKING V	170.0	0.15		25.5		25.5	16.4	9.1
VIKING GG	106.0	<0.01		0.2		0.2	0.2	
VIKING RR	61.7	0.10		6.2		6.2	2.7	3.5
VIKING UU	13.9	<0.01		0.1		0.1	0.1	
VIKING CAK & MANNVILLE E TOTAL	93 000.0			5 284.0	5 461.0	10 750.0	7 864.9	2 885.1
PRIMARY AREA	39 100.0	0.08		3 128.0		3 128.0		
WATER FLOOD AREA	53 900.0	0.04	0.10	2 156.0	5 461.0	7 617.0		
VIKING GGG	55.9	<0.01		0.1		0.1		0.1
BLAIRMORE	2 630.0	0.12		316.0		316.0	209.9	106.1
BLAIRMORE B	3 970.0	0.20		794.0		794.0	740.5	53.5
MANNVILLE H	415.0	0.05		20.8		20.8	13.6	7.2
MANNVILLE I	745.0	0.03		22.4		22.4	10.3	12.1
MANNVILLE J	453.0	0.02		9.1		9.1	6.3	2.8
MANNVILLE L	3 360.0	0.02		67.2		67.2	44.0	23.2
MANNVILLE S	1 290.0	0.01		12.9		12.9	8.6	4.3
MANNVILLE T	190.0	0.02		3.8		3.8	2.5	1.3
MANNVILLE CC	204.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE E2E, & LOWER MANN FF	178.0	0.01		1.8		1.8	0.6	1.2
UPPER MANNVILLE Y2Y	393.0	0.05		19.6		19.6	1.9	17.7
UPPER MANNVILLE Z2Z	166.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE F3F	493.0	0.02		9.9		9.9	1.9	8.0
LLOYDMINSTER A	684.0	0.03		20.5		20.5	7.1	13.4
LLOYDMINSTER D	1 780.0	0.10		178.0		178.0	38.8	139.2
LLOYDMINSTER G	100.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER H	120.0	0.10		12.0		12.0	6.5	5.5
LLOYDMINSTER I	60.5	0.05		3.0		3.0	1.1	1.9
LLOYDMINSTER J	35.4	0.10		3.5		3.5	2.1	1.4
LLOYDMINSTER L	95.5	<0.01		0.8		0.8	0.8	
LLOYDMINSTER M	49.9	0.10		5.0		5.0	2.8	2.2
LLOYDMINSTER N	248.0	0.05		12.4		12.4	0.5	11.9
LLOYDMINSTER O	2 650.0	0.05		133.0		133.0	128.9	4.1
LLOYDMINSTER P	36.8	0.05		1.8		1.8	1.1	0.7
LLOYDMINSTER Q	40.7	0.10		4.1		4.1	0.1	4.0
LLOYDMINSTER R	503.0	0.05		25.2		25.2	4.0	21.2
LLOYDMINSTER S	102.0	0.10		10.2		10.2	2.8	7.4
LLOYDMINSTER T	89.5	0.10		9.0		9.0		9.0
LLOYDMINSTER V	190.0	0.05		9.5		9.5	1.3	8.2
LLOYDMINSTER W	89.4	0.10		8.9		8.9	2.1	6.8
LLOYDMINSTER X	31.1	<0.02		0.4		0.4	0.4	
CUMMINGS A	2 660.0	0.15		399.0		399.0	245.8	153.2
CUMMINGS B	63.0	<0.01		0.1		0.1		0.1
CUMMINGS E	223.0	0.10		22.3		22.3	0.7	21.6
CUMMINGS F	264.0	0.10		26.4		26.4	13.1	13.3
CUMMINGS G	111.0	0.20		22.2		22.2	13.0	9.2
CUMMINGS I	417.0	0.15		62.6		62.6	28.9	33.7
LOWER MANNVILLE A	226.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE D	257.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE L	72.9	0.15		10.9		10.9	6.8	4.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.10	0.100	0.54	0.77	64	849	67	13 461	1 648.5	1982	85 08
320	4.23	0.150	0.20	0.77	80	836	60	14 172	1 654.0	1982	85 09
64	3.20	0.160	0.18	0.73	118	825	55	12 481	1 681.4	1982	86 02
64	3.00	0.120	0.20	0.75	123	827	60	14 446	1 805.5	1985	86 02
65	2.80	0.170	0.14	0.66	150	813	62	18 632	1 827.0	1985	87 12
64	3.50	0.180	0.11	0.75	96	825	54	14 050	1 648.3	1985	87 12 - SUSP 86 04
64	0.60	0.080	0.21	0.80	68	840	72	15 591	1 826.0	1984	85 07 - SUSP 87 11
896	13.63	0.100	0.32	0.76	112	844	70	17 555	1 909.4	1976	86 11
64	11.43	0.091	0.20	0.76	112	840	70	16 514	1 906.8	1984	85 05
128	10.36	0.150	0.12	0.64	191	805	67	20 538	1 840.3	1981	86 02
64	3.00	0.070	0.30	0.76	120	836	60	20 317	1 743.6	1984	86 04
64	1.90	0.150	0.37	0.65	185	812	60	16 501	1 730.8	1984	86 04
128	7.96	0.130	0.23	0.74	126	821	60	16 653	1 733.9	1985	86 04
65	9.50	0.100	0.32	0.76	112	839	70	16 047	1 919.0	1985	86 08
64	3.87	0.148	0.32	0.73	185	820	58	17 029	1 763.5	1986	87 03
448	4.21	0.160	0.13	0.64	191	45	67	20 582	1 776.0	1987	88 05
256	6.27	0.146	0.29	0.76	96	40	50	16 938	1 683.9	1987	88 10
128	21.90	0.090	0.16	0.75	94	830	70	16 908	1 892.2	1982	87 12
64	2.77	0.180	0.40	0.94	27	849	29	5 930	900.4	1977	85 12 - GPP
80	1.80	0.220	0.43	0.94	24	851	32	5 830	832.0	1976	87 12
64	2.20	0.160	0.50	0.94	23	858	32	6 009	842.5	1979	83 12 - SUSP 83 03
64	1.20	0.190	0.55	0.94	20	868	31	5 587	825.7	1976	83 08 - GPP
64	0.70	0.060	0.45	0.94	22	851	38	5 447	808.9	1984	85 11 - ABAND 87 12
65 606					25	855	36	5 720	891.5	1946	86 12 - GPP
32 086	1.56	0.260	0.68	0.94							SW=(SW=.50 + SG=.18)=.68
33 520	1.36	0.252	0.50	0.94							SW=(SW=.37 + SG=.13)=.50
64	1.22	0.130	0.40	0.91	38	857	37	5 940	757.4	1978	78 11 - SUSP 82 04
516	2.70	0.270	0.24	0.92	28	892	33	6 068	873.4	1958	88 07 - GPP
549	3.54	0.290	0.25	0.94	27	892	33	6 340	944.0	1958	83 12 - GPP
65	3.66	0.300	0.35	0.90	25	887	27	6 170	813.5	1972	73 12 - GPP
256	2.34	0.220	0.35	0.87	62	870	28	6 120	843.9	1973	88 06 - GPP
65	4.27	0.240	0.25	0.91	34	881	34	6 210	935.4	1975	78 12 - GPP
256	7.00	0.260	0.24	0.95	21	900	28	5 990	827.8	1976	83 08 - GPP
65	8.84	0.300	0.20	0.94	25	910	37	5 740	787.3	1976	85 12 - GPP
64	3.23	0.200	0.49	0.90	35	876	30	6 095	877.4	1977	86 02
64	2.54	0.220	0.40	0.95	18	881	30	7 216	851.8	1979	82 12 - SUSP 80 06
64	3.20	0.170	0.40	0.85	24	872	41	7 276	1 156.1	1974	88 12 - SUSP 86 09
200	4.70	0.180	0.73	0.86	55	874	38	6 371	1 150.8	1984	87 04 - SUSP 87 10
16	7.80	0.230	0.37	0.92	32	916	32	6 744	964.4	1982	83 02 - SUSP 84 04
64	6.90	0.230	0.50	0.97	25	882	31	5 775	805.1	1985	87 12
64	7.70	0.220	0.35	0.97	38	880	17	6 205	805.1	1979	82 12 - GPP
480	2.62	0.260	0.42	0.94	28	870	30	5 548	787.2	1983	84 12
16	3.50	0.330	0.40	0.90	42	964	30	6 165	905.8	1984	84 11 - ABAND 84 09
32	2.00	0.300	0.30	90	27	902	28	5 179	791.0	1984	84 11
32	1.00	0.300	0.30	90	42	902	30	5 094	789.0	1984	84 05
32	0.70	0.270	0.35	0.90	42	902	30	4 906	792.7	1984	84 05
16	3.70	0.280	0.40	0.96	25	937	30	5 568	782.9	1984	85 03 - ABAND 87 11
24	1.10	0.300	0.30	0.90	30	902	29	5 510	780.9	1984	88 12
48	3.01	0.300	0.41	0.97	11	970	30	5 598	790.9	1984	88 01
160	6.12	0.320	0.12	0.96	17	911	28	5 195	800.9	1985	86 09
16	1.20	0.300	0.29	0.90	25	902	26	4 975	759.1	1984	87 12
16	1.30	0.320	0.32	0.90	43	900	27	4 967	782.9	1984	86 08
64	4.30	0.290	0.35	0.97	15	880	28	5 538	811.7	1986	86 11
16	3.60	0.300	0.37	0.94	22	905	27	5 537	785.0	1985	87 08
64	1.30	0.220	0.48	0.94	17	870	32	6 858	934.7	1986	87 10
32	2.60	0.300	0.20	0.95	21	900	28	5 596	774.3	1987	88 02
44	1.00	0.310	0.31	0.95	21	900	28	5 574	783.1	1987	88 12
16	1.00	0.300	0.28	0.90	28	947	34	4 614	784.0	1987	88 02 - ABAND 88 06
1 450	1.66	0.190	0.40	0.97	27	876	28	6 130	834.8	1973	87 12
64	1.00	0.170	0.40	0.96	18	888	28	7 180	946.2	1979	83 12 - SUSP 80 05
64	2.00	0.300	0.40	0.97	9	865	35	4 959	919.0	1983	84 03
64	2.10	0.270	0.25	0.97	9	875	33	5 468	796.1	1983	84 03
64	1.50	0.240	0.48	0.93	9	866	33	5 568	832.0	1983	87 12
256	0.87	0.280	0.31	0.97	25	910	29	5 366	787.2	1984	87 12
64	4.31	0.130	0.30	0.90	43	874	38	7 171	976.9	1977	78 08 - ABAND 78 06
64	3.40	0.200	0.35	0.91	35	892	32	6 770	1 000.8	1978	83 12 - SUSP 81 12
64	1.00	0.230	0.45	0.90	42	861	32	6 878	1 030.5	1980	87 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
PROVOST 036-07W4 (CONTINUED)								
LOWER MANNVILLE P	152.0	0.10		15.2		15.2	6.2	9.0
LOWER MANNVILLE W	430.0	0.02		8.6		8.6	4.4	4.2
LOWER MANNVILLE AA	98.1	0.10		9.8		9.8	6.0	3.8
LOWER MANNVILLE BB	297.0	0.15		44.6		44.6	4.2	40.4
LOWER MANNVILLE NN	154.0	0.05		7.7		7.7	2.5	5.2
LOWER MANNVILLE RR	447.0	0.10		44.7		44.7	1.8	42.9
LOWER MANNVILLE PP & D-2 B	222.0	0.03		6.7		6.7	0.7	6.0
ELLERSLIE C	147.0	0.10		14.7		14.7	0.4	14.3
ELLERSLIE D	1 050.0	0.10		105.0		105.0	71.5	33.5
ELLERSLIE E	52.8	<0.01		0.1		0.1	0.1	
ELLERSLIE G	54.3	0.10		5.4		5.4		5.4
D-1 A	20.7	0.10		2.1		2.1	0.1	2.0
D-2 A	119.0	<0.01		1.0		1.0	1.0	
PUSKWASKAU 074-01W6								
D-2 A	124.0	0.30		37.2		37.2	8.7	28.5
D-3 A	880.0	0.35		308.0		308.0	41.2	266.8
D-3 B	131.0	0.10		13.1		13.1	0.4	12.7
QUEENSTOWN 019-22W4								
ELLERSLIE A	49.7	0.05		2.5		2.5	0.1	2.4
ELLERSLIE B	141.0	0.10		14.1		14.1	9.7	4.4
RACOSTA 031-11W4								
VIKING A	94.3	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE A	276.0	0.10		27.6		27.6	1.1	26.5
UPPER MANNVILLE B	243.0	0.10		24.3		24.3	0.2	24.1
BASAL QUARTZ A	750.0	0.10		75.0		75.0	29.9	45.1
RAINBOW 109-05W6								
SLAVE POINT B	373.0	0.10		37.3		37.3	6.6	30.7
SULPHUR POINT B	374.0	0.25		93.5		93.5	23.4	70.1
SULPHUR POINT C	642.0	0.06		38.5		38.5	30.0	8.5
SULPHUR POINT E	127.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT F	855.0	0.20		171.0		171.0	161.2	9.8
SULPHUR POINT I	292.0	0.05		14.6		14.6	9.1	5.5
SULPHUR POINT L	130.0	0.10		13.0		13.0	5.6	7.4
SULPHUR POINT O	604.0	0.20		121.0		121.0	59.5	61.5
MUSKEG A	639.0	<0.08		45.3		45.3	45.3	
MUSKEG B	54.7	<0.13		6.7		6.7	6.7	
MUSKEG C WATER FLOOD WATER FLOOD	2 000.0	0.30	0.05	600.0	100.0	700.0	414.3	285.7
MUSKEG D	300.0	0.02		6.0		6.0	5.9	0.1
MUSKEG F	3 180.0	0.15		477.0		477.0	300.9	176.1
MUSKEG G	159.0	<0.04		5.5		5.5	5.5	
MUSKEG J	248.0	0.08		19.8		19.8	12.0	7.8
MUSKEG K	1 060.0	0.15		159.0		159.0	46.7	112.3
MUSKEG M	115.0	0.15		17.3		17.3	13.4	3.9
MUSKEG N	2 473.0	0.15		371.0		371.0	52.7	318.3
MUSKEG O	6 280.0	0.13		816.0		816.0	229.3	586.7
MUSKEG P	135.0	0.15		20.3		20.3	5.1	15.2
MUSKEG R	52.5	<0.01		0.1		0.1	0.1	
MUSKEG S WATER FLOOD	2 000.0	0.15		400.0	300.0	700.0	178.3	521.7
MUSKEG T	493.0	0.15		74.0		74.0	28.8	45.2
MUSKEG Y	900.0	0.10		90.0		90.0	13.2	76.8
MUSKEG Z	339.0	0.10		33.9		33.9	0.9	33.0
MUSKEG AA	290.0	0.15		43.5		43.5	3.9	39.6
MUSKEG BB	151.0	0.15		22.7		22.7	5.8	16.9
MUSKEG CC	114.0	0.15		17.1		17.1	1.7	15.4
MUSKEG EE	113.0	0.15		17.0		17.0	2.1	14.9
KEG RIVER A SOLVENT FLOOD	14 300.0	0.50	0.38	7 150.0	5 430.0	12 600.0	9 132.6	3 467.4
KEG RIVER B SOLVENT FLOOD	43 000.0	0.40	0.32	17 200.0	13 600.0	30 800.0	19 753.7	11 046.3
KEG RIVER D SOLVENT FLOOD	1 130.0	0.40	0.25	452.0	282.5	734.5	586.8	147.7
KEG RIVER E SOLVENT FLOOD	3 450.0	0.35	0.28	1 208.0	966.0	2 174.0	1 835.5	338.5
KEG RIVER F WATER FLOOD	31 800.0	0.53	0.07	16 900.0	2 220.0	19 100.0	15 934.7	3 165.3

9 AREA	10 AVERAGE PAY THICKNESS	11 POROSITY	12 WATER SATN	13 SHRINKAGE	14 INITIAL SOLUTION GOR	15 DENSITY	16 TEMP	17 INITIAL PRESSURE	18 MEAN FORMATION DEPTH	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m3/m3	kg/m3	°C	kPa	m		
64	2.00	0.240	0.45	0.90		850	38	7 163	1 064.2	1981	82 03
64	5.30	0.240	0.45	0.96	15	865	30	7 036	1 049.2	1982	86 12
64	1.70	0.200	0.51	0.92	33	871	31	6 765	1 051.6	1984	85 01
64	2.20	0.310	0.26	0.92	20	877	29	7 250	1 053.1	1985	85 09
16	7.10	0.220	0.25	0.82	28	949	37	6 358	965.8	1983	83 11 - SUSP 86 03
64	4.20	0.220	0.22	0.97	7	915	27	5 727	884.2	1987	88 07 - GPP
64	4.65	0.240	0.35	0.90	37	889	41	6 374	1 054.6	1986	88 08 - GPP
64	3.00	0.173	0.52	0.92	37	897	21	6 419	963.5	1985	86 04
112	5.24	0.270	0.28	0.92	32	912	34	6 490	965.8	1982	83 08
64	1.40	0.160	0.60	0.92	31	864	30	7 467	1 072.5	1986	87 05 - ABAND 88 05
8	4.60	0.210	0.26	0.95	16	909	34	6 606	1 049.7	1987	88 06
64	2.20	0.030	0.45	0.89	41	903	41	7 908	1 016.2	1980	84 05
65	5.49	0.070	0.40	0.80					1 131.4	1974	76 12 - SUSP 75 12
64	7.00	0.060	0.19	0.57	246	822	88	27 608	2 610.0	1984	86 03 - SUSP 87 12
192	14.10	0.070	0.17	0.56	247	825	82	28 498	2 684.4	1984	86 03
64	8.00	0.052	0.22	0.63	212	801	80	28 702	2 722.7	1987	88 12
64	2.00	0.090	0.48	0.83	83	838	45	13 503	1 463.2	1987	88 07
64	2.15	0.160	0.20	0.80				12 153	1 388.0	1963	79 12 - GPP
64	2.47	0.134	0.50	0.89	37	852	27	5 494	895.1	1980	84 12 - SUSP 82 02
64	4.50	0.180	0.38	0.86	55	871	39	5 707	1 048.4	1981	84 05
64	4.00	0.180	0.38	0.85	64	871	38	7 442	1 048.2	1978	86 07
256	2.54	0.240	0.44	0.86	65	868	36	8 755	1 079.1	1979	82 09
64	9.80	0.110	0.40	0.90	45	854	40	12 550	1 241.6	1970	84 03
140	7.83	0.070	0.35	0.75	101	834	72	14 730	1 543.5	1967	86 12
192	5.37	0.100	0.18	0.76	121	839	68	15 355	1 595.4	1967	87 09 - GPP
65	6.10	0.055	0.25	0.78	89	849	74	14 560	1 636.5	1967	71 03 - SUSP 71 03
182	8.14	0.095	0.20	0.76	91	825	74	14 170	1 550.5	1970	84 12
64	11.36	0.081	0.34	0.75	95	829	86	13 886	1 550.8	1975	87 12 - GPP
65	5.79	0.080	0.45	0.79	75	844	94	15 310	1 671.8	1969	78 01 - GPP
41	17.37	0.112	0.09	0.83	65	839	81	16 980	1 739.3	1967	68 07 - SUSP 87 05
119	7.22	0.097	0.08	0.83	56	844	86	15 440	1 762.7	1966	88 12 - ABAND 86 09
16	11.43	0.050	0.20	0.74	107	820	82	15 500	1 659.9	1966	76 12 - SUSP 76 11
270	10.65	0.104	0.12	0.76	92	834	84	16 580	1 580.1	1967	88 08
81	9.14	0.060	0.10	0.75	105	834	77	14 586	1 625.5	1967	84 12 - SUSP 83 07
970	9.14	0.057	0.15	0.74	103	825	88	15 480	1 639.5	1965	76 08 - GPP
81	5.76	0.050	0.15	0.80	56	834	86	14 550	1 604.2	1967	79 04 - ABAND 79 04
81	6.10	0.080	0.15	0.74	108	825	88	16 045	1 727.0	1973	82 12 - SUSP 86 11
64	19.00	0.120	0.10	0.81	129	884	82	16 984	1 717.1	1977	79 07
64	2.50	0.100	0.08	0.78	87	845	84	15 333	1 761.8	1983	83 09
512	11.05	0.065	0.17	0.81	62	834	86	15 000	1 864.0	1982	87 08
704	17.47	0.075	0.17	0.82	57	835	80	18 618	1 838.3	1968	85 05 - GPP
64	5.80	0.060	0.20	0.76	85	828	84	16 304	1 804.0	1965	84 08
64	3.00	0.060	0.40	0.76	95	838	85	14 670	1 621.5	1984	88 12 - SUSP 85 03
189	14.00	0.100	0.10	0.84	50	829	82	17 683	1 777.9	1967	88 04
103	11.86	0.060	0.20	0.84	56	833	81	20 690	1 866.7	1968	87 12 - GPP
297	6.03	0.073	0.16	0.82	60	835	80	20 994	1 775.5	1984	87 05
64	9.02	0.087	0.10	0.75	99	825	88	17 002	1 725.1	1985	86 08
64	10.00	0.070	0.20	0.81	62	840	86	9 377	1 837.4	1986	86 10
64	4.20	0.080	0.10	0.78	140	840	87	16 929	1 761.0	1984	86 10
64	4.90	0.060	0.12	0.69	129	840	82	20 776	1 723.0	1983	86 10
64	7.30	0.045	0.22	0.69	129	856	82	16 327	1 752.8	1987	87 12
253	90.22	0.101	0.10	0.69	141	811	84	18 090	1 944.9	1965	70 02 - I.S. NO. 1
1 090	69.12	0.080	0.13	0.82	62	834	85	17 170	1 820.0	1965	84 07
34	46.32	0.100	0.08	0.78	77	825	82	17 780	1 923.3	1966	87 04 - I.S. NO. 1
55	79.83	0.117	0.08	0.73	95	829	83	17 130	1 808.4	1966	87 05 - 1.S. NO. 1
1 644	73.30	0.045	0.15	0.69	135	815	85	17 480	1 855.6	1966	75 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER G	2 380.0	0.40	0.37	953.0	882.0	1 840.0	1 380.5	459.5
SOLVENT FLOOD								
KEG RIVER H	2 350.0	0.40	0.35	938.0	821.0	1 760.0	1 418.3	341.7
SOLVENT FLOOD								
KEG RIVER I	7 300.0	0.37	0.11	2 760.0	810.0	3 570.0	2 577.1	992.9
SOLVENT FLOOD								
KEG RIVER K	2 100.0	0.35		735.0		735.0	518.4	216.6
KEG RIVER M	477.0	0.27		129.0		129.0	114.7	14.3
KEG RIVER N	2 300.0	0.30	0.13	690.0	310.0	1 000.0	795.6	204.4
GAS FLOOD								
KEG RIVER O	6 210.0	0.40	0.40	2 480.0	2 480.0	4 960.0	3 821.7	1 138.3
SOLVENT FLOOD								
KEG RIVER P	795.0	0.22		175.0		175.0	159.1	15.9
KEG RIVER Q	3 820.0	0.25		95.5		95.5	0.1	95.4
KEG RIVER R	71.0	<0.06		3.9		3.9	3.9	
KEG RIVER S	2 110.0	0.38		802.0		802.0	592.1	209.9
KEG RIVER T	3 500.0	0.42	0.33	1 470.0	1 155.0	2 625.0	1 812.1	812.9
SOLVENT FLOOD								
KEG RIVER U	3 250.0	0.26		845.0		845.0	746.3	98.7
KEG RIVER V	84.7	<0.01		0.4		0.4	0.4	
KEG RIVER W	340.0	0.15		51.0		51.0	30.4	20.6
KEG RIVER X	636.0	0.50		318.0		318.0	243.3	74.7
KEG RIVER Y	28.5	<0.06		1.5		1.5	1.5	
KEG RIVER Z	1 490.0	0.32	0.34	476.8	506.6	983.4	854.4	129.0
SOLVENT FLOOD								
KEG RIVER AA	11 000.0	0.45	0.25	4 950.0	2 750.0	7 700.0	6 728.3	971.7
SOLVENT FLOOD								
KEG RIVER DD	585.0	0.15		87.8		87.8	79.1	8.7
KEG RIVER EE	2 780.0	0.35	0.23	973.0	639.0	1 610.0	1 273.6	336.4
WATER FLOOD								
KEG RIVER FF	2 500.0	0.42	0.31	1 050.0	775.0	1 825.0	1 299.4	525.6
SOLVENT FLOOD								
KEG RIVER GG	1 786.0	0.50		893.0		893.0	558.1	334.9
KEG RIVER HH	752.0	0.02		14.8		14.8	3.2	11.6
KEG RIVER II	3 490.0	0.50	0.25	1 750.0	873.0	2 620.0	1 742.5	877.5
SOLVENT FLOOD								
KEG RIVER JJ	1 360.0	<0.43	0.12	583.0	164.0	747.0	501.5	245.5
WATER FLOOD								
KEG RIVER KK	787.0	0.41	0.09	323.0	70.9	394.0	206.1	187.9
WATER FLOOD								
KEG RIVER LL	1 590.0	0.25		398.0		398.0	218.3	179.7
KEG RIVER MM	1 840.0	0.35		644.0		644.0	234.9	409.1
KEG RIVER NN	679.0	0.25		170.0		170.0	109.7	60.3
KEG RIVER OO	950.0	0.35	0.12	333.0	114.0	447.0	314.8	132.2
WATER FLOOD								
KEG RIVER PP TOTAL	800.0			368.0	32.0	400.0	248.7	151.3
PRIMARY AREA	400.0	0.46		184.0		184.0		
WATER FLOOD AREA	400.0	0.46	0.08	184.0	32.0	216.0		
KEG RIVER QQ	1 210.0	0.35	0.18	423.0	218.0	641.0	379.6	261.4
WATER FLOOD								
KEG RIVER RR	413.0	0.40	0.13	165.0	53.7	219.0	203.9	15.1
WATER FLOOD								
KEG RIVER SS	477.0	0.10		47.7		47.7	32.1	15.6
KEG RIVER TT	41.5	<0.02		0.5		0.5	0.5	
KEG RIVER VV	319.0	0.36	0.11	115.0	35.1	150.0	133.4	16.6
WATER FLOOD								
KEG RIVER WW	477.0	0.20		95.4		95.4	57.7	37.7
KEG RIVER XX	183.0	0.35		64.1		64.1	27.3	36.8
KEG RIVER ZZ	300.0	0.40		120.0		120.0	105.8	14.2
KEG RIVER BBB	600.0	0.30		180.0		180.0	88.0	92.0
KEG RIVER CCC	556.0	0.35		195.0		195.0	144.2	50.8
KEG RIVER DDD	928.0	0.40	0.11	372.0	102.0	474.0	153.9	320.1
WATER FLOOD								
KEG RIVER EEE	1 910.0	0.40	0.30	764.0	572.0	1 340.0	716.0	624.0
SOLVENT FLOOD								
KEG RIVER GGG	569.0	0.40		228.0		228.0	27.3	200.7
KEG RIVER HHH	254.0	0.15		38.1		38.1	25.1	13.0
KEG RIVER III	187.0	0.40		74.8		74.8	2.2	72.6
KEG RIVER JJJ	300.0	0.30		90.0		90.0	9.9	80.1
KEG RIVER KKK	159.0	0.35		55.6		55.6	32.6	23.0
KEG RIVER LLL	378.0	0.30		113.0		113.0	36.0	77.0

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
65	68.58	0.080	0.08	0.72	85	829	83	17 860	1 874.8	1966	67 12 - I.S. NO. 1
19	176.00	0.094	0.08	0.80	78	829	84	20 350	1 893.1	1966	83 04 - I.S. NO. 1
415	53.00	0.055	0.15	0.71	122	820	79	16 450	1 739.2	1966	85 08
511	25.70	0.030	0.28	0.74	106	815	88	15 890	1 786.7	1966	88 03
106	16.40	0.047	0.22	0.75	106	797	84	15 620	1 680.1	1966	86 12 - GPP
422	25.61	0.037	0.25	0.77	87	815	84	15 860	1 839.8	1966	87 11 - 1 S NO. 2
281	61.26	0.060	0.13	0.69	135	815	84	16 550	1 845.0	1966	68 02 - I.S. NO. 1
40	33.71	0.085	0.11	0.77	88	834	83	16 730	1 875.7	1967	86 12 - GPP
64	18.87	0.073	0.15	0.51	295	682	82		1 791.9	1967	88 10
20	12.19	0.045	0.20	0.80	76	855	87	15 550	1 727.3	1967	78 10 - SUSP 77 08
342	17.75	0.055	0.19	0.78	87	825	85	15 480	1 734.9	1966	84 12 - GPP
90	63.44	0.086	0.12	0.81	78	844	86	16 690	1 769.4	1967	87 08 - I.S. NO. 2
244	27.10	0.074	0.16	0.79	79	844	88	15 560	1 738.0	1966	80 07
65	5.49	0.048	0.29	0.70	99	844	87	14 960	1 502.4	1966	68 05 - SUSP 68 04
38	21.95	0.066	0.19	0.77	93	811	77	15 780	1 864.5	1967	81 12 - GPP
68	17.37	0.090	0.13	0.69	131	815	87	15 510	1 624.9	1966	81 07
64	5.79	0.020	0.45	0.70	126	820	87	15 200	1 561.5	1966	88 12 - SUSP 86 03
181	37.09	0.040	0.27	0.76	86	834	86	15 580	1 595.6	1967	86 10 - IS NO. 2
291	68.30	0.086	0.11	0.72	92	829	84	16 090	1 684.0	1967	88 11
134	18.47	0.040	0.25	0.79	80	820	87	15 840	1 797.7	1967	82 12
148	45.04	0.063	0.14	0.77	88	834	86	15 170	1 686.5	1967	84 12 - I.S. NO. 11
92	46.13	0.085	0.10	0.77	86	839	87	15 820	1 716.6	1967	87 08 - I.S. NO. 2
400	22.55	0.033	0.20	0.75	81	784	93	15 890	1 714.2	1966	87 03
65	42.06	0.046	0.25	0.80	85	820	84	17 930	1 881.5	1967	85 12 - SUSP 86 11
73	71.48	0.100	0.12	0.76	85	820	89	17 440	1 812.0	1967	84 01
51	48.77	0.085	0.10	0.72	110	815	90	16 990	1 817.5	1967	73 09 - I.S. NO. 11
154	22.46	0.040	0.25	0.76	74	779	94	16 290	1 741.9	1967	73 04 - I.S. NO. 11
304	35.92	0.026	0.30	0.80	68	797	86	15 480	1 603.0	1967	88 12
518	25.10	0.027	0.32	0.77	81	855	84	15 070	1 679.5	1967	84 06
166	13.01	0.053	0.23	0.77	70	806	86	15 310	1 612.8	1967	82 12 - GPP
168	16.50	0.055	0.18	0.76	92	825	85	15 310	1 642.2	1967	87 01
128					106	784	94	15 490	1 668.5	1967	87 10
64	32.90	0.033	0.20	0.72							
64	32.90	0.033	0.20	0.72							
112	39.32	0.045	0.21	0.77	94	839	85	15 240	1 673.0	1967	69 07 - I.S. NO. 11
39	24.40	0.070	0.15	0.73	98	779	93	16 000	1 739.2	1968	84 12 - I.S. NO. 11
47	28.65	0.054	0.20	0.82	57	834	87	15 240	1 710.8	1968	75 12 - GPP
36	10.15	0.023	0.35	0.75	108	797	83	15 530	1 670.6	1966	77 09 - SUSP 77 11
71	22.00	0.040	0.25	0.68	74	834	73	16 130	1 750.5	1968	83 12 - I.S. NO. 11
50	58.49	0.030	0.30	0.78	81	849	82	15 170	1 509.9	1968	84 12 - GPP
39	18.87	0.040	0.20	0.77	75	825	84	15 480	1 747.4	1968	86 12 - GPP
45	27.43	0.040	0.22	0.78	84	834	87	15 070	1 513.3	1968	84 12
106	30.25	0.032	0.24	0.77	95	839	82	15 720	1 574.3	1968	84 12
41	39.93	0.050	0.15	0.79	89	839	80	15 860	1 562.7	1968	70 02
61	40.63	0.054	0.15	0.82	55	834	87	15 200	1 574.6	1968	70 12 - I.S. NO. 11
24	64.01	0.168	0.05	0.77	95	839	86	14 490	1 855.3	1968	72 02 - I.S. NO. 1
80	22.86	0.050	0.19	0.77	85	834	82	15 030	1 504.0	1968	88 07
303	9.69	0.018	0.40	0.80	68	797	84	15 490	1 590.1	1967	82 12 - GPP
38	20.33	0.042	0.25	0.77	85	834	82	15 070	1 514.9	1969	85 04
41	48.40	0.025	0.27	0.83	68	839	86	15 110	1 527.1	1969	88 06
11	40.84	0.053	0.15	0.79	82	834	88	15 700	1 892.8	1969	75 04 - GPP
69	35.84	0.025	0.27	0.84	55	844	87	15 110	1 523.4	1969	70 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RAINBOW 109-05W6 (CONTINUED)								
KEG RIVER MMM	159.0	0.10		15.9		15.9	2.1	13.8
KEG RIVER NNN	375.0	0.20		75.0		75.0	1.0	74.0
KEG RIVER OOO WATER FLOOD	234.0	<0.20	0.08	45.1	18.7	63.8	63.8	
KEG RIVER QQQ	1 750.0	0.20		350.0		350.0	215.4	134.6
KEG RIVER RRR WATER FLOOD	1 380.0	0.40	0.10	552.0	138.0	690.0	326.9	363.1
KEG RIVER SSS	195.0	0.30		58.6		58.6	40.9	17.7
KEG RIVER TTT	454.0	0.30		136.0		136.0	101.9	34.1
KEG RIVER UUU	111.0	0.30		33.4		33.4	19.6	13.8
KEG RIVER VVV	137.0	0.10		13.7		13.7	5.7	8.0
KEG RIVER WWW	377.0	<0.04		12.0		12.0	11.8	0.2
KEG RIVER XXX	233.0	<0.02		2.9		2.9	2.9	
KEG RIVER YYY	140.0	0.20		28.0		28.0	12.7	15.3
KEG RIVER ZZZ	205.0	<0.01		1.1		1.1	1.1	
KEG RIVER A2A	323.0	0.10		32.3		32.3	10.0	22.3
KEG RIVER B2B	132.0	<0.02		1.4		1.4	1.4	
KEG RIVER C2C WATER FLOOD	2 540.0	0.40	0.13	1 020.0	331.0	1 350.0	707.2	642.8
KEG RIVER D2D	90.0	0.15		13.5		13.5	2.3	11.2
KEG RIVER E2E	70.2	<0.02		0.9		0.9	0.9	
KEG RIVER F2F	108.0	0.25		27.0		27.0	3.7	23.3
KEG RIVER G2G	130.0	0.10		13.0		13.0	0.3	12.7
KEG RIVER I2I	147.0	0.25		36.8		36.8	11.6	25.2
KEG RIVER J2J	146.0	<0.01		0.1		0.1	0.1	
KEG RIVER K2K	180.0	0.25		45.0		45.0	8.1	36.9
KEG RIVER L2L	227.0	<0.01		0.2		0.2	0.2	
KEG RIVER M2M	200.0	0.15		30.0		30.0	2.3	27.7
KEG RIVER N2N	139.0	<0.01		0.2		0.2	0.2	
KEG RIVER O2O	1 300.0	0.35		455.0		455.0	92.4	362.6
KEG RIVER P2P	112.0	0.15		16.8		16.8	1.3	15.5
KEG RIVER Q2Q	280.0	0.25		70.0		70.0	4.4	65.6
KEG RIVER R2R	41.5	0.25		10.4		10.4	0.9	9.5
KEG RIVER S2S	322.0	0.25		80.5		80.5	8.1	72.4
KEG RIVER T2T	255.0	0.25		63.8		63.8	0.8	63.0
KEG RIVER U2U	397.0	0.25		99.3		99.3	5.0	94.3
KEG RIVER V2V	158.0	0.25		39.5		39.5	3.9	35.6
KEG RIVER W2W	191.0	0.15		28.7		28.7	0.5	28.2
KEG RIVER X2X	90.0	0.01		0.9		0.9	0.9	
KEG RIVER Y2Y	1 000.0	0.40		400.0		400.0	139.7	260.3
KEG RIVER Z2Z	650.0	0.40		260.0		260.0	50.4	209.6
KEG RIVER B3B	864.0	0.30		259.0		259.0	26.6	232.4
KEG RIVER C3C	54.0	0.30		16.2		16.2	2.4	13.8
KEG RIVER D3D	1 418.0	0.30		425.0		425.0	2.0	423.0
RAINBOW SOUTH 107-09W6								
SULPHUR POINT B	23.8	<0.05		1.0		1.0	1.0	
MUSKEG A	37.0	0.24		8.9		8.9	8.9	
MUSKEG B	238.0	0.17		40.5		40.5	26.9	13.6
MUSKEG C	630.0	0.20		126.0		126.0	15.6	110.4
MUSKEG D	157.0	<0.08		11.1		11.1	11.1	
MUSKEG F	448.0	<0.01		0.2		0.2	0.2	
MUSKEG G	600.0	0.20		120.0		120.0	39.9	80.1
MUSKEG H	626.0	0.15		93.9		93.9	66.0	27.9
MUSKEG J	214.0	<0.04		7.0		7.0	7.0	
MUSKEG K	533.0	0.15		80.0		80.0	53.5	26.5
MUSKEG L	130.0	<0.03		3.0		3.0	3.0	
MUSKEG N	300.0	0.20		60.0		60.0	14.6	45.4
MUSKEG O	1 912.0	0.15		287.0		287.0	22.6	264.4
MUSKEG P	7 662.0	0.10		766.0		766.0	81.2	684.8
MUSKEG R	279.0	0.15		41.9		41.9	6.0	35.9
MUSKEG S	288.0	0.25		72.0		72.0	14.6	57.4
MUSKEG U	155.0	0.25		38.8		38.8	7.7	31.1
KEG RIVER A WATER FLOOD	5 720.0	0.46	0.08	2 630.0	445.0	3 080.0	1 698.5	1 381.5
KEG RIVER B SOLVENT FLOOD	6 520.0	<0.46	0.35	2 940.0	2 270.0	5 210.0	3 533.7	1 676.3
KEG RIVER C	2 250.0	0.50		1 130.0		1 130.0	521.1	608.9
KEG RIVER D	207.0	0.30		62.1		62.1	34.3	27.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
12	30.63	0.066	0.18	0.79	66	834	86	15 400	1 875.7	1969	75 06
65	33.83	0.033	0.35	0.80	67	839	79	15 240	1 604.5	1969	82 12 - SUSP 87 03
81	9.91	0.045	0.20	0.81	64	811	97	15 860	1 748.9	1970	83 12 - I.S. NO. 11
383	13.81	0.053	0.22	0.80	55	811	90	15 280	1 609.6	1968	87 12 - GPP
124	26.30	0.064	0.13	0.76	92	825	88	14 910	1 621.4	1967	87 01
65	10.06	0.047	0.16	0.76	101	825	84	15 360	1 687.7	1972	73 12
65	20.97	0.058	0.25	0.77	89	811	88	15 720	1 861.4	1973	77 02
31	12.41	0.048	0.20	0.76	92	815	83	15 479	1 688.0	1974	75 10
65	8.75	0.043	0.27	0.77	85	834	89	14 580	1 491.4	1970	85 04
32	54.00	0.040	0.30	0.78	81	810	87	14 866	1 579.0	1980	88 12 - SUSP 86 03
64	12.00	0.050	0.20	0.76	104	815	72	13 823	1 539.0	1982	82 07 - SUSP 84 04
45	50.00	0.020	0.60	0.78	81	783	93	12 801	1 614.5	1982	83 12
64	15.00	0.040	0.28	0.74	105	803	45	14 540	1 584.4	1983	84 05 - SUSP 84 08
64	11.50	0.060	0.13	0.84	100	824	86	15 395	1 692.8	1984	87 12
64	19.76	0.020	0.32	0.76	69	834	88	14 770	1 680.3	1982	88 12 - SUSP 86 03
71	74.55	0.080	0.10	0.67	140	815	84	20 460	1 906.2	1966	76 06
11	57.54	0.030	0.40	0.79	54	823	82	14 816	1 572.8	1985	86 06
64	19.00	0.015	0.45	0.70	112	800	100	17 040	1 946.5	1985	87 12 - SUSP 86 01
64	16.50	0.020	0.37	0.81	54	820	94	14 057	1 638.8	1985	86 03
64	31.00	0.013	0.38	0.81	64	820	65	12 880	1 621.5	1986	87 01 - SUSP 87 01
64	17.40	0.020	0.24	0.87	41	831	75	14 854	1 596.6	1985	86 03
64	34.00	0.016	0.50	0.84	53	820	81	13 706	1 527.0	1985	88 12 - SUSP 86 03
50	12.24	0.053	0.27	0.76	70	818	88	14 819	1 634.6	1985	87 07
64	10.50	0.051	0.15	0.78	81	828	84	11 600	1 503.3	1986	86 06 - SUSP 86 03
49	37.12	0.021	0.32	0.77	93	812	84	14 633	1 864.8	1985	87 07
64	26.40	0.020	0.45	0.75	86	786	90	13 811	1 764.7	1984	88 12 - SUSP 86 04
48	88.30	0.048	0.17	0.77	143	790	87	16 526	1 911.5	1986	87 12
64	23.00	0.019	0.40	0.67	143	780	87	14 847	1 836.5	1986	87 12 - SUSP 87 07
64	12.00	0.055	0.16	0.79	108	817	87	14 502	1 684.0	1986	86 12
64	11.00	0.011	0.33	0.80	55	760	90	15 081	1 650.5	1986	87 03 - SUSP 87 06
64	14.00	0.057	0.18	0.77	85	846	81	16 348	1 793.8	1968	87 03
64	57.00	0.016	0.44	0.78	81	843	84	13 706	1 525.5	1986	87 05
64	40.50	0.025	0.27	0.84	53	848	81	12 795	1 516.3	1986	87 05
64	59.00	0.010	0.45	0.76	91	837	87	15 083	1 599.0	1986	87 07
64	36.00	0.017	0.35	0.75	85	835	82	14 090	1 516.0	1986	87 08 - SUSP 87 04
64	33.00	0.012	0.50	0.71	180	757	95	16 845	1 859.5	1987	87 10 - SUSP 87 06
39	64.71	0.063	0.15	0.74	90	821	88	16 795	1 827.0	1987	88 09
39	66.40	0.042	0.17	0.72	112	810	90	15 898	1 841.8	1987	88 09
192	26.90	0.031	0.30	0.77	67	817	88	15 522	1 844.0	1987	88 10
64	18.00	0.010	0.30	0.67	143	761	75	16 587	1 831.0	1987	88 01
64	56.00	0.072	0.18	0.67	143	817	87	16 754	1 843.0	1987	88 04
11	3.04	0.120	0.14	0.69	154	829	60	19 600	1 814.8	1968	78 09 - SUSP 78 06
5	18.07	0.080	0.20	0.64	180	811	88	19 997	1 893.4	1965	87 12 - SUSP 82 01
42	9.14	0.098	0.10	0.71	121	825	84	16 220	1 830.3	1966	71 01
64	16.75	0.090	0.13	0.75	160	820	89	17 462	1 925.2	1967	86 06
32	9.54	0.080	0.15	0.75	107	820	82	17 750	1 925.4	1968	88 12 - SUSP 86 08
64	16.70	0.080	0.25	0.70	124	825	72	17 360	1 903.0	1968	78 04 - ABAND 79 10
63	19.78	0.080	0.14	0.70	160	825	90	13 472	1 911.1	1978	86 09
65	17.68	0.080	0.10	0.76	89	820	77	17 350	1 829.4	1967	78 11
64	8.00	0.070	0.12	0.68	130	802	78	17 326	1 906.5	1979	83 05 - ABAND 85 12
153	7.00	0.084	0.13	0.68	160	789	90	17 551	1 922.0	1978	87 02
24	11.80	0.080	0.10	0.64	160	790	90	18 003	2 010.1	1983	85 04 - ABAND 88 03
38	14.43	0.080	0.10	0.76	86	789	87	14 566	1 867.4	1969	86 09
459	10.03	0.070	0.14	0.69	190	807	84	19 111	1 830.2	1984	88 09
1 344	12.14	0.069	0.17	0.82	57	838	81	17 000	1 828.2	1984	87 10
17	35.88	0.077	0.10	0.66	158	809	88	16 752	1 874.5	1985	87 01
64	6.50	0.120	0.10	0.64	160	789	90	18 950	1 930.5	1985	86 05
64	5.06	0.083	0.10	0.64	160	758	90	15 094	1 873.8	1967	86 09
167	65.17	0.097	0.14	0.63	176	801	81	18 600	1 945.2	1965	68 02 - GPP
223	79.86	0.060	0.14	0.71	162	811	85	18 820	1 969.0	1966	68 02
304	24.10	0.050	0.16	0.73	171	811	88	18 060	1 947.7	1966	86 06
101	18.35	0.028	0.30	0.57	225	775	92	18 620	1 943.1	1965	84 08 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RAINBOW SOUTH 107-09W6 (CONTINUED)								
KEG RIVER E WATER FLOOD	7 150.0	0.50	0.06	3 580.0	429.0	4 010.0	2 300.4	1 709.6
KEG RIVER F	1 280.0	0.15		192.0		192.0	169.2	22.8
KEG RIVER G WATER FLOOD	3 180.0	0.48	0.09	1 530.0	286.0	1 820.0	1 054.4	765.6
KEG RIVER J	514.0	0.35		180.0		180.0	76.9	103.1
KEG RIVER K	173.0	0.45		77.8		77.8	37.4	40.4
KEG RIVER L	95.2	0.45		42.8		42.8	26.3	16.5
KEG RIVER M	95.3	0.35		33.4		33.4	7.4	26.0
KEG RIVER N	5 000.0	0.35		1 750.0		1 750.0	262.8	1 487.2
KEG RIVER P	340.0	0.45		153.0		153.0	83.2	69.8
KEG RIVER S	476.0	0.45		214.0		214.0	118.9	95.1
KEG RIVER V	288.0	0.45		130.0		130.0	12.7	117.3
RAINIER 017-15W4								
GLAUCONITIC B	100.0	0.15		15.0		15.0	8.4	6.6
RED COULEE 001-17W4								
MOULTON A WATER FLOOD	270.0	0.14	0.09	37.8	24.3	62.1	58.5	3.6
MOULTON B TOTAL	993.0			62.0	96.1	158.0	156.2	1.8
PRIMARY AREA	119.0	0.08		9.5		9.5		
WATER FLOOD AREA	874.0	0.06	0.11	52.4	96.1	149.0		
MOULTON C WATER FLOOD	540.0	0.23	0.13	124.0	70.2	194.0	193.1	0.9
SUNBURST A	299.0	0.04		12.0		12.0	10.6	1.4
SUNBURST B	445.0	0.11		48.9		48.9	46.3	2.6
RED EARTH 088-08W5								
SLAVE POINT A TOTAL	14 750.0			812.0	409.0	1 221.0	617.0	604.0
PRIMARY AREA	11 040.0	0.05		552.0		552.0		
WATER FLOOD AREA	3 706.0	0.07	0.13	260.0	409.0	669.0		
SLAVE POINT C	240.0	0.15		36.0		36.0	31.7	4.3
SLAVE POINT E	4 000.0	0.06		240.0		240.0	203.1	36.9
SLAVE POINT F	119.0	0.10		11.9		11.9	10.3	1.6
SLAVE POINT G	137.0	0.10		13.7		13.7	10.9	2.8
SLAVE POINT Q	244.0	0.10		24.4		24.4	4.7	19.7
SLAVE POINT S	880.0	0.10		88.0		88.0	13.3	74.7
SLAVE POINT U	357.0	0.10		35.7		35.7	18.7	17.0
SLAVE POINT V	884.0	0.10		88.4		88.4	31.1	57.3
SLAVE POINT W	153.0	0.10		15.3		15.3	2.5	12.8
SLAVE POINT X	229.0	<0.01		0.1		0.1	0.1	
SLAVE POINT Y	248.0	<0.01		0.3		0.3	0.3	
SLAVE POINT Z	49.0	0.10		4.9		4.9	1.1	3.8
SLAVE POINT AA	74.0	<0.01		0.6		0.6	0.6	
GRANITE WASH A	14 400.0	0.30		4 320.0		4 320.0	2 986.0	1 334.0
GRANITE WASH B	76.6	0.20		15.3		15.3	8.2	7.1
GRANITE WASH C	2 370.0	0.35		830.0		830.0	689.3	140.7
GRANITE WASH D	254.0	<0.02		4.9		4.9	4.9	
GRANITE WASH E TOTAL	3 158.0			878.0	74.0	952.0	780.5	171.5
PRIMARY AREA	1 682.0	<0.22		361.0		361.0		
WATER FLOOD AREA	1 476.0	0.50	0.05	517.0	74.0	591.0		
GRANITE WASH F	1 280.0	0.04		51.2		51.2	5.7	45.5
GRANITE WASH I	136.0	<0.06		8.1		8.1	8.1	
GRANITE WASH J	533.0	0.10		53.3		53.3	35.2	18.1
GRANITE WASH K	316.0	0.10		31.6		31.6	29.0	2.6
GRANITE WASH L	427.0	0.02		8.5		8.5	8.0	0.5
GRANITE WASH M	45.6	<0.09		4.0		4.0	4.0	
GRANITE WASH N	68.3	<0.17		11.4		11.4	11.4	
GRANITE WASH O	440.0	0.01		4.4		4.4	4.4	
GRANITE WASH P	132.0	0.15		19.8		19.8	9.6	10.2
GRANITE WASH Q	92.5	<0.02		1.5		1.5	1.5	
GRANITE WASH R	231.0	<0.01		0.1		0.1		0.1
GRANITE WASH S	159.0	<0.01		0.3		0.3	0.3	
GRANITE WASH V	372.0	0.30		112.0		112.0	14.0	98.0
GRANITE WASH CC	55.7	<0.02		0.8		0.8	0.8	
GRANITE WASH DD	745.0	0.25		186.0		186.0	22.2	163.8
GRANITE WASH EE	531.0	<0.01		2.5		2.5	2.5	
GRANITE WASH HH	779.0	0.20		156.0		156.0	20.4	135.6
GRANITE WASH KK	86.2	<0.01		0.1		0.1	0.1	
GRANITE WASH LL	250.0	0.20		50.0		50.0	4.1	45.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
177	92.57	0.075	0.12	0.66	159	806	90	18 930	1 964.1	1966	71 09 - GPP
46	69.22	0.086	0.18	0.57	249	797	88	22 328	1 903.8	1967	86 07 - GPP
85	72.48	0.088	0.11	0.66	160	806	88	18 510	1 917.8	1967	71 09 - GPP
30	19.40	0.138	0.15	0.75	101	801	92	17 830	1 941.6	1968	84 11
77	10.70	0.036	0.22	0.75	101	788	95	18 030	1 975.7	1968	82 10
20	13.56	0.057	0.20	0.77	88	797	98	18 290	1 971.6	1968	85 05
33	8.97	0.050	0.13	0.74	107	46	98	18 230	2 016.1	1969	88 09
172	61.74	0.073	0.14	0.75	159	796	69	18 170	1 983.6	1978	83 04
56	25.00	0.040	0.19	0.75	105	801	90	17 582	1 927.3	1982	85 03
33	16.48	0.120	0.11	0.85	78	784	94	16 716	1 958.4	1985	86 11
64	16.00	0.044	0.16	0.76	101	810	92	17 024	1 937.0	1986	87 04
85	1.00	0.180	0.26	0.88	53	888	38	10 172	1 031.8	1981	88 12 - GPP
97	2.53	0.180	0.33	0.91	30	825	27	4 900	799.5	1952	68 07 - GPP
97					21	825	27	1 480	785.5	1965	77 03 - GPP
16	5.55	0.187	0.26	0.96							
81	8.14	0.187	0.26	0.96							
89	5.18	0.180	0.24	0.86	30	825	28	5 050	742.8	1965	85 12 - GPP
65	6.71	0.150	0.50	0.92	35	904	28	2 880	746.2	1975	87 12 - GPP
53	7.62	0.200	0.40	0.92	35	904	28	2 760	698.0	1931	76 12 - GPP
4 456					21	820	48	12 459	1 310.2	1958	88 12 - GPP
3 344	5.26	0.090	0.25	0.93							
1 112	5.31	0.090	0.25	0.93							
91	4.60	0.085	0.25	0.90	24	829	48	12 065	1 346.6	1968	82 12 - GPP
1 216	4.72	0.100	0.25	0.93	42	834	39	12 417	1 264.4	1966	85 07
65	3.35	0.076	0.20	0.90	43	829	82	13 180	1 325.3	1973	74 03 - GPP
65	3.35	0.100	0.30	0.90	43	829	43	13 310	1 328.3	1974	74 06 - GPP
64	6.27	0.100	0.34	0.92	21	821	39	8 803	1 254.0	1984	84 09
320	4.89	0.094	0.35	0.92	21	821	39	8 827	1 354.0	1983	86 06
64	12.00	0.100	0.50	0.93	25	826	41	10 328	1 255.0	1980	82 07
192	11.30	0.066	0.35	0.95	49	828	37	6 249	1 220.3	1981	86 12
64	5.52	0.062	0.25	0.93	19	825	39	12 403	1 262.5	1982	83 02 - SUSP 87 10
64	7.00	0.110	0.49	0.91	32	832	38	11 702	1 209.3	1983	85 05 - SUSP 85 04
64	5.00	0.120	0.32	0.95	16	829	37	9 891	1 205.5	1985	88 12 - SUSP 86 03
64	1.50	0.080	0.25	0.85	57	820	38	12 100	1 342.8	1984	85 08
64	2.91	0.084	0.45	0.86	21	830	39	11 740	1 313.7	1985	88 12 - SUSP 86 09
3 776	3.72	0.149	0.20	0.86	56	825	42	16 130	1 433.8	1958	75 12
65	1.83	0.094	0.20	0.86	56	825	43	15 820	1 438.4	1965	74 12 - SUSP 87 02
832	3.00	0.140	0.21	0.86	56	825	42	16 000	1 460.9	1956	86 09
64	5.15	0.150	0.41	0.87	48	825	42	15 966	1 470.5	1957	88 12 - SUSP 74 05
1 031					56	825	42	15 380	1 492.0	1959	88 10 - GPP
761	3.26	0.123	0.35	0.85							
270	7.57	0.133	0.35	0.85							
384	4.25	0.130	0.29	0.85	64	826	42	15 850	1 501.4	1965	86 06
65	2.74	0.119	0.25	0.86	56	825	43	15 960	1 512.0	1963	74 12 - SUSP 83 09
256	3.60	0.120	0.44	0.86	56	825	53	15 122	1 503.0	1967	86 06 - GPP
64	5.36	0.134	0.20	0.86	56	825	42	15 960	1 516.0	1968	86 09
129	3.96	0.126	0.23	0.86	56	834	52	15 450	1 520.0	1958	84 03 - SUSP 87 02
65	0.91	0.112	0.20	0.86	56	829	52	15 440	1 469.7	1970	71 03 - SUSP 85 07
65	1.28	0.120	0.20	0.86	60	834	48	15 620	1 506.6	1970	76 12 - SUSP 83 08
65	5.49	0.180	0.20	0.86	57	829	42	15 250	1 435.6	1973	76 12 - SUSP 76 01
64	2.00	0.150	0.20	0.86	56	832	42	17 740	1 466.0	1979	79 12 - GPP
64	2.00	0.120	0.30	0.86	56	834	72	14 756	1 473.5	1979	83 12 - SUSP 81 09
64	3.50	0.150	0.20	0.86	56	825	56	15 089	1 415.7	1980	81 12 - ABAND 81 01
64	3.20	0.180	0.50	0.86	56	825	48	15 277	1 438.9	1980	81 12 - ABAND 81 01
64	6.10	0.140	0.20	0.85	64	829	42	15 083	1 493.0	1982	83 02
64	1.50	0.110	0.38	0.85	64	831	42	15 148	1 519.3	1982	84 03 - SUSP 85 09
128	6.94	0.130	0.25	0.86	56	823	42	9 550	1 464.9	1983	86 08
64	6.70	0.180	0.20	0.86	48	845	49	15 737	1 443.3	1981	87 12 - SUSP 86 03
256	3.37	0.140	0.25	0.86	56	834	42	14 921	1 490.2	1982	86 08
64	1.71	0.157	0.41	0.85	64	852	42	14 360	1 418.8	1984	85 03 - ABAND 86 01
64	5.50	0.150	0.45	0.86	56	843	48	8 185	1 493.9	1985	85 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 ENHANCED 10^3m^3	6 TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
RED EARTH 088-08W5 (CONTINUED)								
GRANITE WASH NN	410.0	0.20		82.0		82.0	5.1	76.9
GRANITE WASH OO	193.0	0.10		19.3		19.3	8.7	10.6
GRANITE WASH PP	376.0	0.20		75.2		75.2	5.8	69.4
GRANITE WASH QQ	32.7	0.25		8.2		8.2	4.6	3.6
GRANITE WASH RR	526.0	0.20		105.0		105.0	30.2	74.8
GRANITE WASH SS	38.3	<0.02		0.5		0.5	0.5	
GRANITE WASH TT	357.0	0.20		71.4		71.4	0.6	70.8
GRANITE WASH UU	85.3	0.20		17.1		17.1	10.0	7.1
GRANITE WASH VV	239.0	0.15		35.9		35.9	7.0	28.9
GRANITE WASH XX	258.0	0.25		64.5		64.5	18.2	46.3
GRANITE WASH YY	188.0	0.15		28.2		28.2	0.1	28.1
GRANITE WASH ZZ	354.0	0.15		53.1		53.1	2.2	50.9
GRANITE WASH AAA	39.5	0.20		7.9		7.9	1.6	6.3
GRANITE WASH BBB	78.3	<0.01		0.1		0.1		0.1
GRANITE WASH CCC	244.0	0.20		48.8		48.8	13.2	35.6
GRANITE WASH DDD	120.0	0.20		24.0		24.0	18.4	5.6
GRANITE WASH EEE	248.0	0.20		49.6		49.6	12.3	37.3
GRANITE WASH FFF	188.0	0.25		47.0		47.0	16.4	30.6
GRANITE WASH GGG	79.4	<0.01		0.1		0.1	0.1	
GRANITE WASH HHH	695.0	0.03		20.9		20.9	15.3	5.6
GRANITE WASH III	1 160.0	0.20		232.0		232.0	31.1	200.9
GRANITE WASH KKK	284.0	<0.03		6.9		6.9	6.9	
GRANITE WASH LLL	152.0	<0.02		1.7		1.7	1.7	
GRANITE WASH MMM	973.0	0.30		292.0		292.0	190.2	101.8
GRANITE WASH NNN	232.0	<0.01		0.5		0.5	0.5	
GRANITE WASH OOO	89.0	<0.01		0.5		0.5	0.5	
GRANITE WASH PPP	144.0	0.20		28.8		28.8	2.9	25.9
GRANITE WASH QQQ	155.0	0.15		23.3		23.3	3.2	20.1
GRANITE WASH RRR	231.0	0.10		23.1		23.1	7.1	16.0
GRANITE WASH SSS	200.0	0.25		50.0		50.0	6.1	43.9
GRANITE WASH TTT	174.0	0.15		26.1		26.1	3.9	22.2
GRANITE WASH VVV	106.0	0.15		15.9		15.9		15.9
GRANITE WASH YYY	66.5	0.15		10.0		10.0	4.2	5.8
GRANITE WASH ZZZ	454.0	0.35		159.0		159.0	16.6	142.4
RED ROCK 063-08W6								
CHINOOK A	57.3	<0.01		0.4		0.4	0.4	
CHINOOK G	2 842.0	0.10		284.0		284.0	47.5	236.5
RED WILLOW 039-16W4								
GLAUCONITIC A	228.0	<0.02		4.5		4.5	4.5	
GLAUCONITIC B	105.0	<0.01		0.2		0.2	0.2	
CAMROSE A	119.0	0.25		29.8		29.8	19.2	10.6
CAMROSE B	195.0	0.25		48.8		48.8	11.0	37.8
CAMROSE C	250.0	0.20		50.0		50.0	15.1	34.9
CAMROSE D	67.2	0.20		13.4		13.4	0.1	13.3
CAMROSE E	96.1	0.10		9.6		9.6	2.9	6.7
D-3 A	326.0	<0.01		0.3		0.3	0.3	
REDFISH 092-08W5								
KEG RIVER A	100.0	0.15		16.4		16.4	0.4	16.0
REDLAND 027-23W4								
LOWER MANNVILLE B	69.0	0.20		13.8		13.8	12.1	1.7
REDWATER 057-21W4								
UPPER VIKING G	225.0	<0.01		0.1		0.1		0.1
UP-MID-LOW VIKING A	3 710.0	0.10		371.0		371.0	197.5	173.5
LOWER VIKING B	4 000.0	0.10		400.0		400.0	160.3	239.7
LOWER VIKING H	360.0	0.10		36.0		36.0	29.5	6.5
LOWER VIKING Q	520.0	0.05		26.0		26.0	3.1	22.9
LOWER VIKING S	1 874.0	0.05		93.7		93.7	13.7	80.0
UPPER MANNVILLE E	270.0	<0.01		0.3		0.3	0.3	
BASAL MANNVILLE E	253.0	0.15		38.0		38.0	34.1	3.9
BASAL MANNVILLE F	106.0	0.20		21.2		21.2	14.7	6.5
BASAL MANNVILLE H	1 977.0	0.05		98.9		98.9	54.7	44.2
BASAL MANNVILLE I	266.0	<0.01		1.4		1.4	1.4	
BASAL MANNVILLE J	243.0	0.10		24.3		24.3	14.1	10.2
BASAL MANNVILLE R	188.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE T	245.0	<0.01		0.2		0.2	0.2	
ELLERSLIE A	103.0	<0.01		0.1		0.1	0.1	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
128	3.70	0.140	0.28	0.86	56	830	42	15 008	1 453.9	1984	86 08
32	6.20	0.210	0.46	0.86	48	825	42	14 740	1 432.3	1985	87 12
128	3.59	0.170	0.44	0.86	50	842	40	15 726	1 398.1	1984	85 08
80	0.58	0.132	0.38	0.86	54	835	36	15 616	1 413.9	1984	87 12
96	5.41	0.166	0.29	0.86	56	828	42	14 101	1 479.3	1985	86 06
64	1.39	0.091	0.45	0.86	47	826	46	15 274	1 489.7	1984	85 11 - SUSP 85 07
64	4.50	0.180	0.19	0.85	64	826	42	14 894	1 510.3	1985	85 12 - SUSP 88 07
81	1.70	0.120	0.40	0.86	53	836	36	15 389	1 410.4	1985	88 12
128	2.43	0.150	0.41	0.87	48	825	42	14 437	1 445.6	1966	86 08
64	4.50	0.160	0.35	0.86	56	823	41	14 915	1 467.6	1985	86 03
64	6.00	0.100	0.43	0.86	56	801	44	15 120	1 517.9	1985	86 03 - SUSP 86 11
64	4.50	0.210	0.32	0.86	52	833	38	15 689	1 435.0	1985	86 04 - SUSP 87 04
32	2.10	0.122	0.44	0.86	56	830	42	14 600	1 480.6	1985	86 05
64	3.20	0.090	0.50	0.85	64	826	42	14 240	1 506.2	1986	86 05 - SUSP 86 11
96	3.02	0.140	0.30	0.86	56	823	42	15 422	1 466.6	1986	86 09
64	3.00	0.119	0.39	0.86	56	825	42	15 443	1 495.4	1968	86 12 - GPP
64	4.53	0.140	0.29	0.86	56	834	42	14 516	1 455.9	1985	86 08
128	2.76	0.110	0.43	0.85	56	834	42	13 823	1 484.7	1984	88 03
64	2.20	0.080	0.18	0.86	56	834	42	14 397	1 502.9	1982	86 08
128	5.64	0.140	0.20	0.86	56	834	42	14 102	1 476.5	1983	87 12
192	5.64	0.160	0.23	0.87	48	825	42	14 346	1 472.1	1983	86 08
64	4.30	0.150	0.20	0.86	56	834	42	14 605	1 487.7	1980	86 08
64	2.30	0.150	0.20	0.86	56	834	42	15 043	1 491.5	1983	86 08
192	5.40	0.154	0.30	0.87	48	825	42	15 896	1 450.3	1957	86 08
64	4.50	0.117	0.20	0.86	56	825	42	14 720	1 518.1	1969	86 09 - SUSP 70 04
64	1.39	0.194	0.40	0.86	70	835	40	7 240	1 415.1	1986	86 10 - SUSP 86 10
64	3.00	0.130	0.33	0.86	50	828	45	6 100	1 512.5	1987	87 05
64	2.75	0.167	0.38	0.85	45	831	34	15 657	1 441.9	1987	87 12
64	3.60	0.160	0.27	0.86	53	833	36	15 259	1 419.6	1985	85 08
64	3.50	0.160	0.35	0.86	64	852	42	14 839	1 515.5	1987	88 04
64	4.48	0.143	0.50	0.85	57	828	38	15 586	1 427.8	1986	88 04
64	2.74	0.140	0.49	0.85	64	852	42	15 274	1 513.0	1987	88 08
64	1.29	0.148	0.36	0.85	48	829	42	16 057	504.0	1986	87 04
64	7.50	0.180	0.30	0.75	51	777	49	15 353	1 509.1	1985	85 07
64	1.80	0.090	0.35	0.85	72	830	17	10 143	1 468.1	1979	85 07 - SUSP 85 02
1 789	3.05	0.120	0.38	0.70	133	827	46	10 355	1 541.0	1987	88 05
64	3.00	0.220	0.35	0.83	71	868	39	8 697	1 132.0	1981	82 04 - ABAND 86 10
64	2.00	0.180	0.45	0.83	60	850	47	8 634	1 114.7	1981	82 10 - SUSP 82 11
29	9.56	0.053	0.10	0.90	56	890	48	9 730	1 335.8	1983	85 05
64	7.86	0.055	0.12	0.80	59	879	52	9 449	1 332.3	1983	84 05
64	8.30	0.084	0.30	0.80	50	900	38	9 078	1 230.6	1984	85 03
64	3.75	0.050	0.30	0.80	55	900	38	9 084	1 225.6	1985	86 07 - SUSP 87 08
32	8.30	0.060	0.33	0.90	36	903	43	9 254	1 246.0	1985	86 10
64	12.50	0.060	0.15	0.80	35	947	48	10 108	1 340.8	1981	84 12 - ABAND 84 07
64	5.40	0.055	0.35	0.88	47	829	40	14 328	1 274.7	1987	88 06
64	2.00	0.130	0.50	0.83	58	890	50	11 090	1 597.5	1982	88 08 - GPP
64	3.00	0.200	0.35	0.90	36	882	45	5 102	631.6	1976	83 12 - ABAND 85 02
1 635	2.26	0.190	0.40	0.88	28	800	27	5 030	649.9	1976	83 10 - GPP
1 536	2.80	0.180	0.44	0.92	35	865	28	5 772	680.5	1974	83 10
268	1.14	0.220	0.42	0.92	37	847	31	4 605	647.5	1976	87 09 - GPP
256	2.40	0.180	0.49	0.92	30	872	28	5 594	715.7	1984	87 03 - GPP
640	3.98	0.160	0.50	0.92	30	844	28	5 841	658.4	1984	88 07 - GPP
64	3.00	0.260	0.40	0.90	44	885	30	5 996	754.5	1981	81 09 - SUSP 83 12
108	1.83	0.200	0.20	0.80		843	41	6 640	1 022.0	1954	84 12 - GPP
64	0.92	0.250	0.20	0.90	35	860	38	6 590	1 014.3	1976	83 12 - GPP
416	3.55	0.240	0.40	0.93	46	925	30	5 962	854.0	1977	86 10 - GPP
64	5.50	0.210	0.60	0.90	50	925	43	6 171	854.3	1979	83 12 - SUSP 82 11
64	2.50	0.260	0.35	0.90	43	855	30	6 751	946.1	1979	80 08 - GPP
16	8.50	0.270	0.45	0.93	30	931	35	6 083	866.1	1980	84 12 - ABAND 82 06
32	4.20	0.270	0.25	0.90	33	923	48	6 122	848.9	1981	82 11 - SUSP 83 12
16	3.00	0.300	0.23	0.93	26	948	34	5 712	832.1	1982	83 07 - ABAND 83 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
REDWATER 057-21W4 (CONTINUED)								
ELLERSLIE B	49.9	<0.02		0.8		0.8	0 8	
D-3	207 000.0	0.62		128 000.0		128 000.0	124 911.2	3 088.8
RETLAW 012-18W4								
MANNVILLE A	868.0	0.10		86.8		86.8	29.6	57.2
MANNVILLE II	288.0	0.03		8.6		8.6	2.5	6.1
MANNVILLE KK	139.0	0.10		13.9		13.9	5.4	8.5
MANNVILLE LL	1 500.0	0.20		300.0		300.0	95.3	204.7
MANNVILLE RR	31.8	0.10		3.2		3.2	0.2	3.0
MANNVILLE SS	429.0	<0.01		1.0		1.0	1.0	
MANNVILLE TT	1 310.0	<0.01		2.8		2.8	2.8	
MANNVILLE B & D	300.0	0.04		12.0		12.0	8.3	3.7
MANNVILLE CCC	290.0	0.05		14.5		14.5	4.0	10.5
MANNVILLE DDD	52.8	<0.01		0.1		0.1	0.1	
MANNVILLE NNN	187.0	0.15		28.0		28.0	9.0	19.0
MANNVILLE RRR	473.0	0.05		23.7		23.7	11.1	12.6
MANNVILLE WWW	60.2	<0.01		0.2		0.2	0.2	
MANNVILLE YYY	48.4	<0.01		0.2		0.2	0.2	
MANNVILLE A2A	66.6	<0.02		0.8		0.8	0.8	
RICH 034-21W4								
VIKING B	153.0	<0.01		0.1		0.1		0.1
VIKING C	185.0	0.10		18.5		18.5	2.9	15.6
D-2 A	200.0	0.40		80.0		80.0	27.2	52.8
D-3 A	1 333.0	0.45		600.0		600.0	579.1	20.9
WINNIPEGOSIS A	97.2	0.20		19.4		19.4	4.8	14.6
RICHDALE 030-13W4								
UPPER MANNVILLE F	216.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE G	1 394.0	0.10		139.0		139.0	31.7	107.3
UPPER MANNVILLE K	466.0	<0.02		5.0		5.0	5.0	
UPPER MANNVILLE L	1 110.0	0.10		111.0		111.0	18.4	92.6
UPPER MANNVILLE S	257.0	0.10		25.7		25.7	4.2	21.5
LOWER MANNVILLE F	116.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE D	122.0	<0.01		0.1		0.1		0.1
RICINUS 034-08W5								
CARDIUM A TOTAL	11 740.0			1 942.0	278.0	2 220.0	1 546.3	673.7
PRIMARY AREA	4 600.0	0.25		1 150.0		1 150.0		
GAS FLOOD AREA	7 137.0	<0.12	0.03	792.5	278.0	1 071.0		
CARDIUM B	850.0	0.20		170.0		170.0	123.1	46.9
CARDIUM C	1 270.0	0.05		63.6		63.6	41.6	22.0
CARDIUM D	2 200.0	0.10		220.0		220.0	176.5	43.5
CARDIUM E	822.0	0.05		41.1		41.1	4.9	36.2
CARDIUM F	560.0	0.12		67.2		67.2	52.3	14.9
CARDIUM G	630.0	0.20		126.0		126.0	80.6	45.4
CARDIUM H	1 080.0	0.10		108.0		108.0	85.1	22.9
CARDIUM K	338.0	0.15		50.7		50.7	35.7	15.0
CARDIUM L	1 723.0	0.20		345.0		345.0	122.1	222.9
CARDIUM M	207.0	<0.06		11.3		11.3	11.3	
CARDIUM Q	4 850.0	0.15		728.0		728.0	457.6	270.4
CARDIUM S	1 406.0	0.05		70.3		70.3	39.4	30.9
CARDIUM V	3 230.0	0.05		162.0		162.0	84.5	77.5
CARDIUM W	4 465.0	0.10		447.0		447.0	251.5	195.5
CARDIUM X	311.0	0.20		62.2		62.2	42.9	19.3
CARDIUM Y	237.0	0.10		23.7		23.7	13.1	10.6
CARDIUM Z	450.0	0.03		13.5		13.5	9.6	3.9
CARDIUM AA	512.0	0.05		25.6		25.6	8.5	17.1
CARDIUM BB	327.0	<0.01		1.9		1.9	1.9	
CARDIUM CC	184.0	0.03		5.5		5.5	1.5	4.0
CARDIUM EE	961.0	0.20		192.0		192.0	44.5	147.5
CARDIUM FF	341.0	<0.03		7.5		7.5	2.6	4.9
CARDIUM GG	241.0	0.05		12.1		12.1	9.0	3.1
CARDIUM II	368.0	<0.01		0.1		0.1	0.1	
CARDIUM KK	250.0	0.12		30.0		30.0	22.2	7.8
CARDIUM MM	435.0	0.15		65.3		65.3	5.0	60.3
CARDIUM NN	1 516.0	0.05		75.8		75.8	16.0	59.8
CARDIUM OO	206.0	0.15		30.9		30.9	3.9	27.0
CARDIUM QQ	319.0	0.20		63.8		63.8	15.3	48.5
CARDIUM TT	1 446.0	0.20		289.0		289.0	42.5	246.5
CARDIUM UU	269.0	<0.04		8.6		8.6	8.6	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	0.80	0.200	0.47	0.92	32	880	32	6 745	945.9	1984	85 03 - ABAND 88 06
15 199	31.39	0.065	0.25	0.89	33	844	34	7 340	977.8	1948	72 02 - GPP
560	1.72	0.176	0.36	0.80	64	870	34	11 650	1 108.0	1959	84 12 - GPP
128	3.70	0.100	0.30	0.87	62	876	32	10 880	1 092.6	1978	80 12 - GPP
64	4.30	0.080	0.25	0.84	74	865	36	10 560	1 089.5	1977	78 10 - SUSP 86 07
278	3.77	0.227	0.24	0.83	70	891	38	11 690	1 084.3	1979	87 11
64	0.60	0.150	0.35	0.85	66	886	30	11 576	1 074.1	1964	85 12 - SUSP 87 02
64	8.00	0.150	0.35	0.86	62	900	37	11 479	1 077.5	1980	84 12 - SUSP 82 09
128	14.88	0.134	0.41	0.87	58	900	37	11 078	1 082.5	1980	86 12 - SUSP 84 12
125	1.83	0.221	0.30	0.85	62	876	38	11 780	1 091.2	1959	84 12 - GPP
64	2.50	0.270	0.20	0.84	75	896	35	11 838	1 108.8	1981	84 12 - GPP
64	0.80	0.160	0.25	0.86	64	885	30	11 943	1 078.0	1980	83 12 - SUSP 83 06
65	3.00	0.170	0.35	0.87	62	870	33	11 366	1 097.4	1980	83 12
192	2.07	0.206	0.32	0.85	73	896	33	11 128	1 097.2	1963	85 09
64	1.10	0.180	0.46	0.88	56	899	34	11 373	1 097.3	1983	83 06 - SUSP 83 10
16	2.00	0.220	0.20	0.86	62	887	32	10 617	1 097.7	1983	84 03 - ABAND 84 02
32	1.70	0.180	0.20	0.85	73	896	33	10 574	1 091.7	1984	85 06 - ABAND 84 11
64	4.30	0.107	0.35	0.80	86	873	39	7 229	1 292.0	1986	86 12 - ABAND 86 12
64	4.00	0.140	0.40	0.86	46	860	40	6 413	1 194.5	1986	87 02
50	7.00	0.080	0.12	0.81	74	865	55	12 868	1 683.9	1983	84 12
15	103.20	0.110	0.10	0.87	64	857	65	14 327	1 796.3	1982	88 12
32	7.50	0.060	0.25	0.90	31	916	60	18 948	2 242.3	1986	87 04
64	4.30	0.160	0.46	0.91	37	882	37	9 147	1 120.5	1981	85 12 - SUSP 84 06
320	5.29	0.190	0.49	0.85	63	852	39	8 135	1 112.5	1979	86 11
395	1.01	0.210	0.33	0.83	80	855	38	9 119	1 117.2	1971	79 12 - SUSP 83 01
128	7.65	0.230	0.42	0.85	60	847	34	9 190	1 109.9	1983	84 09
64	6.24	0.180	0.58	0.85	63	824	37	9 330	1 115.9	1985	86 11
64	1.83	0.170	0.35	0.89	44	865	35	9 410	1 150.6	1977	82 12 - ABAND 81 05
64	2.00	0.230	0.50	0.83	68	859	38	8 700	1 145.2	1981	88 12 - ABAND 83 02
1 489					226	806	83	27 280	2 748.5	1969	88 12
465	12.75	0.140	0.12	0.63							
1 024	8.98	0.140	0.12	0.63							
94	11.38	0.170	0.27	0.64	250	815	82	27 421	2 732.0	1969	86 12 - GPP
695	1.83	0.150	0.10	0.74	131	820	72	17 110	2 467.0	1969	75 08 - GPP
413	8.53	0.120	0.20	0.65	158	815	84	23 890	2 764.5	1968	87 12
444	3.05	0.134	0.13	0.52	323	801	78	26 930	2 650.5	1969	79 12 - GPP
32	20.28	0.135	0.12	0.73	130	788	54	13 900	1 810	1969	88 12 - GPP
97	10.10	0.110	0.14	0.68	144	811	71	20 860	2 310	1970	88 12
101	18.80	0.098	0.18	0.71	159	806	60	18 930	2 024.8	1970	88 03
65	7.80	0.127	0.12	0.60	213	811	78	28 440	2 679.2	1969	85 12 - GPP
192	9.76	0.140	0.10	0.73	119	815	71	13 973	2 372.7	1972	88 12
210	2.44	0.075	0.23	0.70	160	811	63	18 720	2 061.7	1971	76 12 - SUSP 84 05
705	8.82	0.120	0.11	0.73	113	815	75	15 896	2 511.2	1971	88 12 - GPP
128	12.40	0.134	0.13	0.76	230	806	70	15 501	2 371.7	1974	88 04
256	14.05	0.133	0.10	0.75	131	811	49	13 290	2 105.7	1975	88 04
256	17.00	0.150	0.10	0.76	131	820	49	13 980	2 192.8	1975	88 04
128	12.70	0.028	0.09	0.75	108	806	63	13 618	2 157.1	1975	88 04
128	4.45	0.100	0.34	0.63	186	829	66	26 028	2 761.3	1977	87 08 - GPP
128	4.88	0.120	0.20	0.75	113	825	60	12 360	2 572.2	1977	85 12 - SUSP 87 10
64	16.34	0.090	0.20	0.68	167	827	63	21 130	2 594.2	1977	82 12 - SUSP 86 06
64	8.94	0.100	0.16	0.68	151	828	60	17 880	2 434.2	1977	88 12 - SUSP 86 06
64	5.80	0.094	0.12	0.60	172	825	59	18 130	2 673.5	1978	82 12 - GPP
192	13.60	0.055	0.12	0.76	115	802	58	14 266	2 155.9	1978	88 04
64	12.60	0.067	0.17	0.76	113	811	64	15 000	2 454.5	1981	88 04 - GPP
64	9.40	0.062	0.15	0.76	130	810	66	15 868	2 518.5	1981	88 04 - GPP
64	9.00	0.090	0.09	0.78	91	806	68	15 343	2 572.1	1981	88 04 - SUSP 83 02
97	4.32	0.135	0.31	0.64	250	816	82	27 022	2 745.6	1969	83 10 - GPP
64	12.00	0.090	0.15	0.74	131	785	72	27 852	2 762.3	1983	84 09
64	29.40	0.115	0.09	0.77	91	806	68	14 043	2 237.7	1984	88 04
64	10.10	0.046	0.09	0.76	91	806	68	13 906	2 204.7	1984	88 04
128	9.75	0.037	0.09	0.76	108	814	64	12 255	2 165.2	1985	88 04
192	16.50	0.066	0.09	0.76	108	813	64	12 618	2 401.2	1986	88 04
64	5.60	0.110	0.09	0.75	119	815	71	16 324	2 512.2	1969	88 04

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
RICINUS 034-08W5 (CONTINUED)								
CARDIUM VV	159.0	0.10		15.9		15.9	3.4	12.5
CARDIUM WW	134.0	<0.01		0.4		0.4	0.4	
CARDIUM XX	520.0	0.05		26.0		26.0	23.3	2.7
CARDIUM YY	228.0	0.15		34.2		34.2	5.5	28.7
CARDIUM ZZ	490.0	0.10		49.0		49.0	3.3	45.7
CARDIUM LL & RR	158.0	0.09		14.2		14.2	8.1	6.1
CARDIUM BBB	1 322.0	0.15		198.0		198.0	17.1	180.9
CARDIUM CCC	538.0	0.15		80.7		80.7	45.8	34.9
CARDIUM EEE	1 383.0	0.10		138.0		138.0		138.0
RIVIERE 055-27W4								
WABAMUN A	424.0	0.15		63.6		63.6	3.0	60.6
ROCKYFORD 026-23W4								
UPPER MANNVILLE C	180.0	0.10		18.0		18.0	1.9	16.1
UPPER MANNVILLE D	135.0	0.15		20.3		20.3	9.5	10.8
UPPER MANNVILLE E	382.0	0.10		38.2		38.2	9.4	28.8
UPPER MANNVILLE F	1 069.0	0.10		107.0		107.0	13.4	93.6
LOWER MANNVILLE A	811.0	0.10		81.1		81.1	39.3	41.8
LOWER MANNVILLE B	279.0	0.20		55.8		55.8	26.6	29.2
LOWER MANNVILLE C	104.0	0.10		10.4		10.4	6.4	4.0
LOWER MANNVILLE F	81.1	0.10		8.1		8.1	1.5	6.6
LOWER MANNVILLE G	322.0	0.10		32.2		32.2	1.7	30.5
ROSEBUD 027-21W4								
BLAIRMORE	420.0	0.16		67.2		67.2	63.2	4.0
ROSEVEAR 054-15W5								
SECOND WHITE SPECKS A	579.0	0.15		86.9		86.9	14.4	72.5
ROWLEY 032-20W4								
VIKING C	123.0	0.10		12.3		12.3	7.5	4.8
UPPER MANNVILLE D	874.0	0.10		87.4		87.4	7.7	79.7
UPPER MANNVILLE E	800.0	0.15		120.0		120.0	23.8	96.2
LOWER MANNVILLE A	944.0	<0.01		3.9		3.9	3.9	
LOWER MANNVILLE G	179.0	0.10		17.9		17.9	0.1	17.8
LOWER MANNVILLE H	330.0	0.15		50.0		50.0	18.7	31.3
LOWER MANNVILLE J	160.0	0.10		16.0		16.0	3.4	12.6
LOWER MANNVILLE K	181.0	<0.01		0.4		0.4	0.4	
PEKISKO A	8 760.0	0.03		262.0		262.0	177.5	84.5
PEKISKO B	61.9	<0.01		0.1		0.1	0.1	
ROYAL 053-15W4								
MIDDLE VIKING D	41.5	<0.01		0.4		0.4	0.4	
MIDDLE VIKING E	110.0	0.10		11.0		11.0	0.3	10.7
RYCROFT 077-05W6								
GETHING B	144.0	<0.01		0.2		0.2	0.2	
CHARLIE LAKE A TOTAL	2 500.0			250.0	718.0	968.0	297.2	670.8
PRIMARY AREA	450.0	0.10		45.0		45.0		
WATER FLOOD AREA	2 050.0	0.10	0.35	205.0	718.0	923.0		
CHARLIE LAKE C	519.0	0.10		51.9		51.9	13.4	38.5
CHARLIE LAKE J	133.0	0.15		20.0		20.0	8.5	11.5
CHARLIE LAKE K	114.0	0.10		11.4		11.4		11.4
CHARLIE LAKE L	348.0	0.10		34.8		34.8	12.0	22.8
CHARLIE LAKE M	579.0	0.15		86.9		86.9	12.5	74.4
HALFWAY B	541.0	0.15		81.2		81.2	19.9	61.3
HALFWAY C WATER FLOOD	4 260.0	0.15	0.22	639.0	937.0	1 576.0	287.1	1 288.9
HALFWAY D	567.0	0.15		85.0		85.0	9.8	75.2
HALFWAY E	309.0	0.15		46.4		46.4	9.1	37.3
HALFWAY F	170.0	0.15		25.5		25.5	4.0	21.5
SADDLE HILLS 076-08W6								
CHARLIE LAKE A	349.0	0.10		34.9		34.9	19.0	15.9
CHARLIE LAKE B	169.0	0.10		16.9		16.9	2.6	14.3
CHARLIE LAKE C	123.0	0.10		12.3		12.3		12.3
CHARLIE LAKE D	31.2	0.10		3.1		3.1	0.3	2.8
CHARLIE LAKE E	123.0	0.10		12.3		12.3	1.5	10.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	4.92	0.097	0.20	0.65	177	819	86	26 264	2 714.3	1986	87 01
64	3.16	0.100	0.15	0.78	91	805	68	26 355	2 370.0	1986	87 03 - SUSP 87 04
105	6.90	0.130	0.20	0.69	158	815	84	23 670	2 761.2	1969	87 12
64	9.90	0.060	0.22	0.77	91	792	64		2 146.4	1987	88 01
64	12.00	0.100	0.15	0.75	110	806	74		2 552.3	1987	88 03
64	4.81	0.085	0.15	0.71	160	805	60	19 075	2 154.3	1982	86 01
64	43.80	0.110	0.33	0.64	188	819	72	19 082	2 797.3	1987	88 04
64	15.50	0.085	0.15	0.75	108	806	63		2 156.8	1976	88 04
128	12.98	0.136	0.10	0.68	132	804	67	9 985	2 082.9	1987	88 12
64	7.50	0.200	0.48	0.85	54	894	41	8 300	1 236.9	1985	85 10
64	3.00	0.180	0.35	0.80	54	885	46	10 305	1 482.8	1982	83 01
85	1.70	0.180	0.35	0.80	90	884	50	10 707	1 555.9	1985	87 12
128	3.30	0.160	0.32	0.83	69	866	49	10 516	1 583.0	1986	88 01
128	6.29	0.210	0.21	0.80	80	855	50	10 407	1 563.0	1987	88 03
128	6.12	0.190	0.31	0.79	90	879	50	10 711	1 518.3	1979	81 11
64	4.80	0.180	0.37	0.80	60	857	46	10 759	1 577.0	1981	84 07
64	2.00	0.170	0.40	0.80	72	855	46	10 615	1 557.6	1982	82 10
64	1.50	0.160	0.40	0.88	46	891	41	10 551	1 535.9	1984	85 10
64	7.00	0.160	0.49	0.88	44	884	50	10 842	1 619.4	1985	86 03
312	1.25	0.173	0.26	0.84	44	876	49	10 000	1 415.2	1956	86 12 - GPP
128	9.50	0.070	0.20	0.85	55	821	69	21 498	1 811.8	1985	88 01
128	1.43	0.140	0.49	0.94	20	825	38	2 500	1 201.2	1974	86 06
128	7.32	0.180	0.39	0.85	51	870	40	7 698	1 417.4	1987	88 04
358	2.03	0.190	0.32	0.85	46	855	53	9 000	1 367.4	1987	88 12
65	17.37	0.140	0.25	0.80	51	870	52	9 480	1 417.9	1964	75 12 - ABAND 75 02
64	2.40	0.180	0.21	0.82	66	847	53	8 922	1 344.8	1976	88 08
128	1.90	0.210	0.24	0.85	48	870	49	7 490	1 348.3	1987	88 09 - GPP
64	2.00	0.200	0.24	0.82	60	869	46	9 582	1 349.0	1981	82 06
64	3.50	0.170	0.42	0.82	66	864	53	10 158	1 371.7	1981	82 12 - ABAND 88 05
1 812	11.64	0.069	0.30	0.86	70	870	50	10 070	1 365.5	1960	73 06 - GPP
64	1.50	0.100	0.25	0.86	43	870	49	7 677	1 363.3	1981	82 12 - SUSP 82 09
64	0.80	0.180	0.50	0.90	40	840	30	4 052	650.9	1982	88 12 - SUSP 86 03
128	1.14	0.210	0.55	0.80	40	848	33	4 525	615.9	1980	84 08 - SUSP 86 11
64	3.50	0.120	0.37	0.85	60	811	50	10 649	1 234.5	1983	86 12 - SUSP 84 09
1 200					62	889	54	12 774	1 376.3	1981	86 06
232	1.92	0.139	0.13	0.83							
968	2.10	0.139	0.13	0.83							
256	1.57	0.192	0.20	0.84	63	865	54	13 057	1 404.8	1982	87 05
107	1.50	0.150	0.35	0.85	55	826	54	13 590	1 460.8	1983	88 12
64	2.16	0.128	0.23	0.84	63	885	54	12 462	1 450.3	1985	86 10 - SUSP 87 03
256	1.22	0.177	0.25	0.84	50	875	54	13 053	1 424.2	1986	88 07
192	2.93	0.170	0.28	0.84	63	29	54	12 393	1 289.4	1987	88 05
192	4.95	0.150	0.52	0.79	93	835	55	13 318	1 415.6	1983	86 03
1 078	4.44	0.155	0.27	0.79	93	832	55	13 101	1 441.5	1985	88 04
192	3.63	0.143	0.28	0.79	80	835	45	12 639	1 385.7	1982	88 06
64	5.00	0.100	0.33	0.80	93	828	55	12 673	1 455.0	1986	88 04
128	2.19	0.126	0.39	0.79	93	40	55	13 613	1 455.8	1987	88 05
192	1.44	0.200	0.19	0.78	91	845	72	15 550	1 749.6	1981	85 07
64	2.40	0.170	0.17	0.78	91	845	72	15 530	1 757.4	1984	85 07
64	2.20	0.140	0.20	0.78	91	845	72	15 205	1 727.1	1982	85 07
64	0.59	0.129	0.20	0.80	70	835	70	14 323	1 724.4	1982	84 05 - SUSP 87 11
64	2.20	0.124	0.10	0.78	91	833	72	17 865	1 934.1	1987	87 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY PRIMARY	3 RECOVERY ENHANCED	4 INITIAL ESTABLISHED RESERVES PRIMARY	5 INITIAL ESTABLISHED RESERVES ENHANCED	6 INITIAL ESTABLISHED RESERVES TOTAL	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SAKWATAMAU 063-14W5								
GETHING A	800.0	0.15		120.0		120.0	56.1	63.9
GETHING B	69.4	<0.01		0.1		0.1	0.1	
BELLOY A	736.0	0.15		110.0		110.0	35.1	74.9
SAMSON 044-24W4								
BLAIRMORE A	1 460.0	<0.03		36.7		36.7	36.7	
SAWN LAKE 091-12W5								
SLAVE POINT A TOTAL	2 200.0			206.0	375.0	581.0	116.8	464.2
PRIMARY AREA	700.0	0.08		56.0		56.0		
WATER FLOOD AREA	1 500.0	0.10	0.25	150.0	375.0	525.0		
SLAVE POINT J	10 290.0	0.05		515.0		515.0	183.3	331.7
SLAVE POINT K	337.0	0.25		84.3		84.3	6.4	77.9
SLAVE POINT L	132.0	0.15		19.8		19.8	6.3	13.5
SLAVE POINT M	329.0	0.15		49.4		49.4	4.0	45.4
SEAL 082-14W5								
SLAVE POINT A	1 400.0	0.40		560.0		560.0	368.2	191.8
SLAVE POINT B	237.0	0.30		71.1		71.1	17.7	53.4
SLAVE POINT C	230.0	0.25		57.5		57.5	4.4	53.1
SLAVE POINT D	1 382.0	0.35		484.0		484.0	90.6	393.4
SLAVE POINT E	454.0	0.15		68.1		68.1	0.4	67.7
SEIU LAKE 025-18W4								
LOWER MANNVILLE G	776.0	0.05		38.8		38.8	8.7	30.1
SENEX 092-04W5								
SLAVE POINT A	337.0	0.15		50.6		50.6	3.1	47.5
KEG RIVER A	1 890.0	0.05		94.5		94.5	27.9	66.6
KEG RIVER B	1 367.0	0.25		342.0		342.0	56.4	285.6
KEG RIVER C	1 876.0	0.25		469.0		469.0	52.6	416.4
KEG RIVER D	368.0	0.35		129.0		129.0	17.1	111.9
KEG RIVER E	310.0	0.15		46.5		46.5	13.1	33.4
KEG RIVER H	344.0	0.15		51.7		51.7	2.7	49.0
KEG RIVER I	839.0	0.20		168.0		168.0	18.9	149.1
KEG RIVER J	303.0	0.25		75.8		75.8	12.4	63.4
KEG RIVER K	194.0	0.25		48.5		48.5	5.5	43.0
KEG RIVER L	221.0	0.15		33.2		33.2	0.3	32.9
KEG RIVER M	125.0	0.25		31.3		31.3		31.3
KEG RIVER N	177.0	0.25		44.3		44.3	5.3	39.0
KEG RIVER O	370.0	0.20		74.0		74.0	0.8	73.2
KEG RIVER P	273.0	0.20		54.6		54.6	9.3	45.3
KEG RIVER Q	222.0	0.25		55.5		55.5	6.9	48.6
KEG RIVER R	687.0	0.25		172.0		172.0	10.4	161.6
KEG RIVER T	156.0	0.15		23.4		23.4	1.5	21.9
KEG RIVER V	204.0	<0.02		2.7		2.7	2.7	
KEG RIVER W	137.0	<0.04		4.2		4.2	4.2	
SHADOW 074-18W5								
GILWOOD A	447.0	0.30		134.0		134.0	29.4	104.6
GILWOOD B	265.0	0.30		79.5		79.5	20.7	58.8
GILWOOD C	756.0	0.25		189.0		189.0	27.4	161.6
GILWOOD D	384.0	0.25		96.0		96.0	16.0	80.0
GILWOOD E	167.0	0.30		50.1		50.1	20.0	30.1
GILWOOD F	245.0	0.30		73.5		73.5	16.4	57.1
GILWOOD G	201.0	0.25		50.3		50.3	7.6	42.7
GILWOOD H	716.0	0.30		215.0		215.0	63.9	151.1
GILWOOD I	118.0	0.25		29.5		29.5	2.4	27.1
GILWOOD J	368.0	0.25		92.0		92.0	3.6	88.4
GILWOOD M	91.8	0.20		18.4		18.4	4.9	13.5
GILWOOD N	58.3	0.10		5.8		5.8	1.4	4.4
GRANITE WASH A	222.0	0.30		66.6		66.6	10.1	56.5
SHANE 077-02W6								
KISKATINAW SANDSTONE A	67.2	0.10		6.7		6.7	4.5	2.2
WABAMUN A	65.5	0.25		16.0		16.0	1.8	14.2
SHEKILIE 118-08W6								
MUSKEG A	95.3	<0.18		16.3		16.3	16.3	
MUSKEG C	233.0	<0.03		5.9		5.9	5.9	
MUSKEG D	280.0	<0.01		0.7		0.7	0.7	

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
318	2.42	0.180	0.27	0.79	142	892	61	13 170	1 725.0	1975	88 01
65	1.43	0.120	0.25	0.83	142	892	59	13 090	1 664.5	1976	88 01 - SUSP 76 10
320	2.81	0.170	0.42	0.83	65	800	70	14 523	1 795.3	1984	86 10
324	3.99	0.186	0.25	0.81	50	887	60	10 830	1 465.5	1953	83 12 - SUSP 80 05
480					57	822	38	13 169	1 597.7	1983	87 09
288	4.71	0.075	0.21	0.87							
192	14.80	0.076	0.20	0.87							
2 643	10.12	0.068	0.35	0.87	57	822	38	13 521	1 605.9	1984	88 05
64	14.61	0.061	0.32	0.87	46	828	39	13 528	1 629.5	1985	85 12
64	5.72	0.066	0.38	0.88	44	829	37	12 021	1 629.0	1985	86 03
64	11.10	0.075	0.29	0.87	44	831	45	12 934	1 628.8	1985	85 12
562	4.50	0.092	0.30	0.86	42	830	68	18 287	1 809.4	1974	83 12
192	4.72	0.055	0.46	0.88	39	830	54	18 670	1 829.2	1985	88 01
64	9.71	0.056	0.25	0.88	39	824	54	17 425	1 784.8	1987	87 10
256	10.94	0.066	0.16	0.89	35	818	52	17 564	1 797.5	1985	87 12
64	13.60	0.079	0.25	0.88	39	825	54	17 528	1 809.0	1987	88 03
128	6.29	0.180	0.37	0.85	66	857	38	9 270	1 366.0	1979	82 12 - GPP
64	13.41	0.082	0.45	0.87	57	835	30	9 937	1 044.9	1986	86 12
512	9.15	0.067	0.30	0.86	55	829	31	13 410	1 253.8	1969	88 06
448	4.81	0.100	0.31	0.92	27	831	35	13 463	1 279.5	1986	87 11
576	5.67	0.096	0.32	0.88	27	828	35	13 783	1 282.9	1985	88 07
64	14.30	0.067	0.31	0.87	42	831	49	13 698	1 270.4	1985	86 07
192	6.28	0.054	0.44	0.85	55	829	31	13 474	1 242.0	1986	87 03
128	7.07	0.071	0.37	0.85	55	829	31	12 240	1 226.1	1987	88 04
192	8.51	0.099	0.39	0.85	55	830	37	13 368	1 258.8	1986	88 04
64	12.60	0.064	0.31	0.85	55	829	31	13 436	1 266.6	1987	87 05
64	6.58	0.077	0.35	0.92	30	832	35	13 163	1 297.0	1987	87 11
64	8.55	0.068	0.30	0.85	55	837	31	12 204	1 222.8	1986	87 05
64	4.40	0.075	0.31	0.86	55	830	31	11 896	1 250.7	1986	87 12
64	7.70	0.059	0.34	0.92	27	830	36	13 105	1 262.8	1987	88 01
64	6.20	0.139	0.27	0.92	27	830	36	13 157	1 257.6	1987	88 01
128	3.90	0.090	0.34	0.92	27	39	36	13 026	1 260.3	1987	88 02
64	7.80	0.062	0.22	0.92	27	829	36	13 243	1 233.5	1987	88 05
128	11.58	0.070	0.28	0.92	30	38	40	13 070	1 237.0	1987	88 03
64	5.40	0.090	0.41	0.85	55	829	31	13 169	1 242.8	1987	88 03
64	9.07	0.059	0.30	0.85	55	829	31	11 942	1 286.9	1970	88 06 - SUSP 82 11
64	6.08	0.059	0.30	0.85	55	829	31		1 249.4	1969	88 06 - SUSP 71 05
128	3.90	0.148	0.32	0.89	24	833	83	25 348	2 371.6	1985	88 08
128	2.59	0.130	0.31	0.89	36	840	86	25 206	2 344.3	1985	87 07
256	3.65	0.140	0.35	0.89	23	833	72	25 622	2 374.3	1985	88 05
128	3.06	0.162	0.32	0.89	36	840	86	25 672	2 379.7	1985	87 09
64	2.97	0.130	0.24	0.89	36	838	78	25 306	2 351.0	1984	84 08
64	4.50	0.129	0.26	0.89	26	843	78	25 308	2 352.4	1984	85 01
64	4.05	0.116	0.25	0.89	23	832	86	25 110	2 346.7	1987	87 09
320	3.55	0.120	0.39	0.86	30	840	75	24 358	2 388.7	1987	88 10
64	2.41	0.143	0.40	0.89	26	813	81	25 971	2 417.9	1987	87 12
128	3.65	0.170	0.48	0.89	36	837	84	24 325	2 348.3	1987	88 12
64	2.29	0.110	0.36	0.89	36	843	86	25 285	2 353.9	1986	86 08
64	1.45	0.116	0.37	0.86	30	840	75	24 488	2 351.0	1987	87 03
64	5.81	0.139	0.50	0.86	39	846	87	24 875	2 344.3	1986	86 09
64	1.25	0.160	0.30	0.75	128	815	70	14 360	1 473.9	1977	77 12 - SUSP 87 10
64	4.00	0.040	0.20	0.80	70	852	68	9 300	2 316.3	1985	87 05 - GPP
31	5.79	0.089	0.11	0.67	155	811	83	17 730	1 746.8	1971	75 03 - SUSP 84 10
64	7.60	0.084	0.15	0.67	135	811	83	13 593	1 664.7	1981	86 12 - SUSP 85 01
64	10.50	0.075	0.17	0.67	155	810	83	12 155	1 739.0	1983	86 12 - SUSP 84 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
SHEKILIE 118-08W6 (CONTINUED)								
MUSKEG E	213.0	<0.01		0.8		0.8	0.8	
MUSKEG F	110.0	0.20		22.0		22.0	10.7	11.3
MUSKEG G	120.0	0.20		24.0		24.0	12.0	12.0
MUSKEG H	100.0	0.05		5.0		5.0	3.8	1.2
MUSKEG I	75.0	0.35		26.3		26.3	7.9	18.4
MUSKEG J	266.0	0.15		39.9		39.9	6.5	33.4
MUSKEG K	118.0	0.25		29.5		29.5	2.6	26.9
MUSKEG L	107.0	0.25		26.8		26.8		26.8
KEG RIVER A	504.0	0.30		151.0		151.0	126.3	24.7
KEG RIVER B	445.0	<0.16		67.4		67.4	67.4	
KEG RIVER C	636.0	0.40		254.0		254.0	136.5	117.5
KEG RIVER D	493.0	0.40		197.0		197.0	148.1	48.9
KEG RIVER E	159.0	<0.07		9.6		9.6	9.6	
KEG RIVER F	238.0	<0.19		45.1		45.1	45.1	
KEG RIVER G	150.0	0.40		60.0		60.0	37.1	22.9
KEG RIVER H	121.0	0.35		42.4		42.4	21.6	20.8
KEG RIVER I	229.0	0.25		57.3		57.3	10.7	46.6
KEG RIVER J	388.0	0.35		136.0		136.0	89.4	46.6
KEG RIVER K	272.0	0.15		40.8		40.8	28.7	12.1
KEG RIVER L	100.0	0.30		30.0		30.0	16.4	13.6
KEG RIVER M	700.0	0.10		70.0		70.0	26.9	43.1
KEG RIVER N	50.0	<0.15		7.3		7.3	7.3	
KEG RIVER O	525.0	<0.02		10.1		10.1	10.1	
KEG RIVER P	754.0	<0.03		22.5		22.5	22.5	
KEG RIVER Q	500.0	0.30		150.0		150.0	61.6	88.4
KEG RIVER R	350.0	0.15		52.5		52.5	19.0	33.5
KEG RIVER S	41.2	<0.19		7.5		7.5	7.5	
KEG RIVER T	450.0	0.20		90.0		90.0	38.9	51.1
KEG RIVER U	250.0	0.35		88.0		88.0	67.5	20.5
KEG RIVER V	151.0	0.40		60.4		60.4	42.8	17.6
KEG RIVER W	661.0	0.15		99.0		99.0	57.2	41.8
KEG RIVER X	94.1	0.30		28.2		28.2	14.1	14.1
KEG RIVER Y	600.0	0.25		150.0	ERSO	150.0	120.4	29.6
KEG RIVER Z	470.0	0.30		141.0		141.0	37.3	103.7
KEG RIVER AA	282.0	<0.05		12.3		12.3	12.3	
KEG RIVER BB	139.0	<0.06		7.1		7.1	7.1	
KEG RIVER CC	270.0	0.35		94.5		94.5	55.3	39.2
KEG RIVER EE	200.0	0.35		70.0		70.0	29.3	40.7
KEG RIVER FF	2 680.0	<0.01		1.7		1.7	1.7	
KEG RIVER GG	320.0	0.30		96.0		96.0	36.3	59.7
KEG RIVER HH	583.0	<0.01		1.9		1.9	1.9	
KEG RIVER II	205.0	<0.02		3.7		3.7	3.7	
KEG RIVER JJ	98.5	<0.06		5.1		5.1	5.1	
KEG RIVER KK	759.0	0.20		152.0		152.0	10.7	141.3
KEG RIVER LL	190.0	0.30		57.0		57.0	24.4	32.6
KEG RIVER MM	153.0	0.30		45.9		45.9	19.1	26.8
KEG RIVER NN	200.0	0.40		80.0		80.0	31.8	48.2
KEG RIVER OO	340.0	0.20		68.0	ERSO	68.0	33.1	34.9
KEG RIVER PP	191.0	0.30		57.3		57.3	20.8	36.5
KEG RIVER QQ	795.0	0.40		318.0		318.0	259.1	58.9
KEG RIVER RR	210.0	0.35		73.5		73.5	35.5	38.0
KEG RIVER SS	190.0	<0.04		6.0		6.0	6.0	
KEG RIVER TT	530.0	0.30		159.0		159.0	36.3	122.7
KEG RIVER UU	400.0	0.10		40.0		40.0	21.0	19.0
KEG RIVER VV	250.0	0.15		37.5		37.5	18.7	18.8
KEG RIVER WW	306.0	0.25		76.5		76.5	30.6	45.9
KEG RIVER XX	45.0	<0.10		4.4		4.4	4.4	
KEG RIVER YY	300.0	0.30		90.0		90.0	16.0	74.0
KEG RIVER ZZ	700.0	0.30		210.0		210.0	12.7	197.3
KEG RIVER AAA	500.0	0.30		150.0		150.0	51.5	98.5
KEG RIVER BBB	450.0	0.15		67.5		67.5	4.3	63.2
KEG RIVER CCC	500.0	0.30		150.0		150.0	17.6	132.4
KEG RIVER DDD	300.0	0.25		75.0		75.0	10.6	64.4
KEG RIVER EEE	500.0	0.25		125.0		125.0	24.0	101.0
KEG RIVER FFF	1 300.0	<0.01		0.9		0.9	0.9	
KEG RIVER GGG	600.0	0.20		120.0		120.0	7.5	112.5
KEG RIVER HHH	200.0	0.25		50.0		50.0	4.6	45.4
KEG RIVER III WATER FLOOD	142.0	0.30	0.17	42.6	24.1	66.7	31.0	35.7
KEG RIVER JJJ	825.0	<0.01		0.4		0.4	0.4	
KEG RIVER KKK	450.0	0.30		135.0		135.0	8.7	126.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	7.80	0.070	0.13	0.70	155	810	83	17 107	1 701.4	1983	86 12 - SUSP 84 10
27	8.37	0.074	0.06	0.70	145	826	75	18 177	1 767.2	1984	87 12
19	11.40	0.092	0.13	0.70	120	834	76	17 000	1 788.7	1984	86 01
23	7.95	0.080	0.10	0.76	93	876	70	17 116	1 802.3	1983	87 05
9	14.39	0.092	0.10	0.70	153	838	68	17 047	1 751.5	1985	87 11
64	12.50	0.050	0.20	0.83	52	849	83	15 858	1 764.2	1977	86 08
64	4.00	0.065	0.11	0.80	66	841	88	20 276	1 761.3	1986	87 08
64	4.20	0.067	0.11	0.67	153	838	76		1 737.2	1987	88 07
13	67.06	0.094	0.12	0.70	132	839	83	17 800	1 699.3	1970	86 12 - SUSP 86 12
12	60.62	0.100	0.08	0.68	151	820	81	17 510	1 756.6	1971	82 12 - ABAND 87 08
26	40.75	0.100	0.10	0.68	170	839	83	18 310	1 727.6	1971	71 12 - GPP
15	94.49	0.065	0.15	0.63	176	820	79	18 600	1 728.2	1971	71 12
5	59.04	0.095	0.10	0.63	191	806	79	19 910	1 754.7	1972	74 12 - SUSP 74 11
5	113.39	0.073	0.14	0.69	138	825	84	18 580	1 748.0	1972	88 07 - ABAND 88 03
6	38.16	0.107	0.10	0.68	106	834	83	18 685	1 802.0	1974	87 12 - GPP
9	30.44	0.070	0.10	0.70	132	828	80	15 300	1 777.0	1979	82 12 - SUSP 86 12
16	28.40	0.090	0.20	0.70	120	834	83	17 940	1 715.8	1979	82 12 - SUSP 86 10
64	15.00	0.070	0.15	0.68	150	825	74	15 300	1 765.5	1979	80 05 - GPP
25	24.40	0.075	0.15	0.70	132	819	83	20 276	1 722.0	1980	86 12 - GPP
23	8.50	0.080	0.20	0.80	138	823	86	16 104	1 825.3	1980	87 12 - GPP
11	93.60	0.100	0.15	0.80	132	834	83	16 629	1 789.5	1980	85 12 - GPP
12	7.00	0.090	0.15	0.78	142	814	81	14 801	1 747.6	1980	82 01 - SUSP 84 10
11	90.00	0.080	0.15	0.80	126	825	85	17 367	1 777.0	1980	84 12 - ABAND 88 02
16	99.02	0.080	0.15	0.70	124	825	86	16 003	1 768.8	1980	86 12 - SUSP 84 10
11	64.73	0.120	0.14	0.68	122	835	93	14 879	1 714.0	1981	83 12 - GPP
10	75.70	0.080	0.15	0.68	143	820	50	18 292	1 750.5	1981	83 06 - GPP
7	28.00	0.040	0.25	0.70	115	835	87	16 094	1 832.0	1981	83 12 - SUSP 84 08
12	68.90	0.080	0.15	0.80	140	826	86	18 615	1 759.3	1980	86 12 - GPP
11	39.70	0.100	0.17	0.69	140	826	86	19 919	1 773.0	1980	82 01
16	17.60	0.090	0.15	0.70	150	825	83	17 730	1 685.5	1979	86 12 - GPP
64	31.90	0.070	0.32	0.68	176	845	83	20 720	1 746.0	1980	84 12
11	28.30	0.060	0.30	0.72	95	845	82	17 548	1 747.4	1981	83 12 - SUSP 87 11
28	85.04	0.050	0.20	0.63	151	810	82	20 400	1 795.7	1980	87 11
17	63.20	0.067	0.13	0.75	135	830	68	17 403	1 816.0	1969	88 03
64	15.00	0.060	0.30	0.70	138	833	69	15 440	1 817.5	1981	88 12 - SUSP 86 06
9	51.00	0.050	0.15	0.71	113	825	82	15 598	1 712.5	1981	88 12 - SUSP 86 07
9	61.50	0.080	0.15	0.70	138	826	80	17 066	1 721.8	1982	84 05
11	41.80	0.080	0.20	0.68	130	835	95	15 949	1 828.2	1982	84 06
64	55.90	0.120	0.12	0.71	132	834	83	14 257	1 765.6	1983	86 12 - SUSP 84 09
16	38.00	0.090	0.14	0.68	113	834	74	16 928	1 814.0	1983	85 12
64	15.30	0.100	0.15	0.70	138	826	80	18 844	1 728.4	1983	86 12 - ABAND 87 09
16	31.50	0.070	0.17	0.70	138	826	80	16 420	1 741.3	1983	88 12 - SUSP 85 11
15	11.00	0.090	0.16	0.79	180	831	63	16 075	1 760.9	1983	85 10 - ABAND 87 10
64	24.50	0.080	0.11	0.68	146	821	83	11 360	1 818.7	1984	84 08 - SUSP 87 04
8	46.50	0.085	0.09	0.66	133	818	70	19 936	1 783.0	1984	85 08
16	32.20	0.050	0.15	0.70	130	838	49	15 172	1 760.3	1983	85 12 - GPP
12	32.50	0.090	0.10	0.63	111	824	76	19 805	1 763.5	1983	84 11
28	35.13	0.059	0.14	0.69	133	816	89	19 700	1 789.7	1983	87 03
64	4.50	0.100	0.08	0.72	100	848	79	14 766	1 832.3	1982	83 12
30	55.50	0.073	0.10	0.72	119	845	70	17 102	1 742.0	1971	77 05
4	42.00	0.180	0.10	0.77	112	870	82	19 097	1 840.0	1983	85 07
5	71.00	0.080	0.15	0.77	96	845	71	18 030	1 780.0	1983	88 12 - SUSP 86 04
12	63.30	0.120	0.17	0.70	130	830	49	16 655	1 783.8	1983	85 06
8	93.80	0.090	0.20	0.74	146	827	83	13 891	1 831.5	1983	85 06 - GPP
17	24.80	0.100	0.14	0.69	130	824	98	19 274	1 824.8	1984	88 03
13	46.92	0.086	0.19	0.72	80	826	80	15 663	1 671.9	1984	86 12
6	33.08	0.041	0.21	0.70	138	826	80	17 050	1 735.1	1984	88 12 - SUSP 86 06
19	20.30	0.120	0.10	0.72	120	835	56	17 868	1 760.0	1984	86 04 - GPP
18	56.40	0.110	0.13	0.72	105	803	85	18 619	1 776.3	1985	86 05 - GPP
11	80.20	0.095	0.11	0.67	151	808	91	18 413	1 756.6	1985	86 10
15	46.90	0.100	0.20	0.80	74	845	82	16 996	1 786.8	1985	86 04 - SUSP 87 06
15	101.10	0.054	0.15	0.72	118	840	60	18 023	1 810.5	1985	86 04
7	98.80	0.070	0.14	0.72	113	840	64	15 554	1 838.0	1985	86 05 - GPP
11	66.50	0.113	0.16	0.72	114	840	61	17 824	1 862.0	1985	86 06
64	45.30	0.075	0.12	0.68	150	820	82	16 288	1 789.2	1985	85 08 - SUSP 85 05
10	87.00	0.095	0.10	0.80	74	834	82	21 460	1 804.2	1985	86 07
8	65.10	0.080	0.20	0.60	195	820	60	11 557	1 787.8	1985	86 05 - GPP
4	79.00	0.069	0.12	0.74	167	835	62	19 427	1 777.8	1985	88 03
64	34.50	0.066	0.18	0.69	130	808	98	14 755	1 776.3	1985	86 09 - ABAND 87 05
13	76.94	0.079	0.15	0.67	151	830	91	15 833	1 780.2	1986	86 12

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SHEKILIE 118-08W6 (CONTINUED)								
KEG RIVER LLL	300.0	0.30		90.0		90.0	20.9	69.1
KEG RIVER MMM	330.0	0.20		66.0		66.0	14.6	51.4
KEG RIVER NNN	130.0	<0.02		2.1		2.1	2.1	
KEG RIVER OOO	325.0	0.25		81.3		81.3	23.1	58.2
KEG RIVER PPP	100.0	0.15		15.0		15.0	4.2	10.8
KEG RIVER QQQ	1 535.0	0.25		384.0		384.0	8.5	375.5
KEG RIVER SSS	400.0	0.25		100.0		100.0	13.0	87.0
KEG RIVER TTT	827.0	0.20		165.0		165.0	11.3	153.7
KEG RIVER UUU WATER FLOOD	500.0	0.30	0.15	150.0	75.0	225.0	37.0	188.0
KEG RIVER VVV	250.0	0.30		75.0		75.0	9.7	65.3
KEG RIVER WWW	93.8	0.20		18.8		18.8		18.8
KEG RIVER XXX	437.0	0.25		109.0		109.0	2.8	106.2
SHELDON 073-22W5								
GILWOOD A	81.9	0.15		12.3		12.3	0.2	12.1
SHOULDICE 020-23W4								
BOW ISLAND A	78.6	<0.01		0.3		0.3	0.3	
GLAUCONITIC A	204.0	0.15		30.6		30.6	17.0	13.6
GLAUCONITIC B	29.7	<0.01		0.2		0.2	0.2	
GLAUCONITIC E	500.0	0.20		100.0	ERSO	100.0	72.5	27.5
GLAUCONITIC G	3 006.0	0.15		451.0		451.0	53.8	397.2
GLAUCONITIC H	351.0	0.15		52.7		52.7	2.8	49.9
GLAUCONITIC I	1 168.0	0.15		175.0		175.0	28.5	146.5
GLAUCONITIC J	469.0	0.15		70.4		70.4	6.7	63.7
ELLERSLIE A	61.2	<0.04		1.9		1.9	1.9	
ELLERSLIE B	82.9	0.10		8.3		8.3	0.1	8.2
ELLERSLIE C	370.0	0.15		55.5		55.5	31.9	23.6
ELLERSLIE E	172.0	<0.01		0.7		0.7	0.7	
ELLERSLIE F	137.0	0.15		20.6		20.6	0.4	20.2
SIMONETTE 063-26W5								
DUNVEGAN A	1 920.0	0.10		192.0		192.0	128.2	63.8
DUNVEGAN B	109.0	<0.01		0.2		0.2	0.2	
DUNVEGAN F	73.0	0.10		7.3		7.3	0.5	6.8
BLUESKY A	62.8	0.10		6.3		6.3	2.3	4.0
GETHING B	310.0	0.10		31.0		31.0	21.0	10.0
GETHING C	126.0	0.10		12.6		12.6	1.6	11.0
WABAMUN C	1 510.0	0.05		75.5		75.5	29.3	46.2
D-3 TOTAL	18 000.0			6 100.0	72.0	6 172.0	5 807.5	364.5
PRIMARY AREA	16 800.0	<0.34		5 620.0		5 620.0		
SOLVENT FLOOD AREA	1 200.0	0.40	0.06	480.0	72.0	552.0		
D-3 B	526.0	0.30		158.0		158.0	39.8	118.2
D-3 C	1 000.0	0.50		500.0		500.0	63.3	436.7
SINCLAIR 075-12W6								
DOE CREEK B	1 600.0	0.10		160.0		160.0	11.6	148.4
DOE CREEK C	129.0	0.10		12.9		12.9	2.4	10.5
DOE CREEK D	2 630.0	0.10		263.0		263.0	41.0	222.0
DOE CREEK H	50.7	0.10		5.1		5.1	1.3	3.8
DOE CREEK I & J	180.0	0.10		18.0		18.0	1.6	16.4
SKARO 057-19W4								
COOKING LAKE	474.0	0.10		47.4		47.4	30.2	17.2
SKINNER 052-15W5								
SECOND WHITE SPECKS A	244.0	0.10		24.4		24.4	0.6	23.8
SLAVE 084-14W5								
SLAVE POINT H	5 080.0	0.30		1 520.0		1 520.0	532.6	987.4
SLAVE POINT L	1 360.0	0.30		408.0		408.0	92.0	316.0
SLAVE POINT N	313.0	0.30		93.9		93.9	10.8	83.1
SLAVE POINT O	339.0	<0.02		4.1		4.1	4.1	
SLAVE POINT P	31.3	<0.01		0.1		0.1	0.1	
SLAVE POINT Q	125.0	0.30		37.5		37.5	9.1	28.4
SLAVE POINT R	103.0	0.25		25.8		25.8	0.9	24.9
SLAVE POINT S	3 915.0	0.30		1 175.0		1 175.0	428.9	746.1
SLAVE POINT T	410.0	0.25		103.0		103.0	9.5	93.5
SLAVE POINT U	141.0	0.25		35.3		35.3	1.6	33.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
10	46.09	0.103	0.11	0.71	120	845	71	15 040	1 890.0	1985	86 05
14	46.19	0.086	0.14	0.69	130	826	72	18 160	1 756.5	1985	86 05
10	33.24	0.076	0.17	0.62	153	830	76	16 750	1 785.5	1985	86 06 - SUSP 86 01
11	46.70	0.099	0.18	0.78	153	811	76	13 601	1 760.1	1986	87 08
14	11.67	0.100	0.15	0.72	133	841	70	18 796	1 784.5	1982	87 07
64	55.00	0.074	0.17	0.71	149	815	88	14 935	1 798.5	1987	87 07
11	42.83	0.144	0.12	0.67	153	848	76	17 950	1 757.5	1987	88 05
64	47.50	0.042	0.10	0.72	133	838	70		1 829.3	1987	87 12
11	93.18	0.079	0.13	0.71	133	838	70	12 846	1 766.5	1986	88 07
15	48.35	0.057	0.16	0.72	133	838	70	16 618	1 775.3	1986	87 07
64	7.70	0.040	0.29	0.67	153	37	76	19 846	1 825.9	1987	88 05
64	24.00	0.050	0.15	0.67	153	838	76		1 754.0	1987	88 07
64	1.60	0.165	0.43	0.85	43	842	94	29 295	2 854.2	1987	87 01
64	1.50	0.150	0.40	0.91	32	847	40	7 729	1 393.0	1984	84 09 - ABAND 84 03
64	3.60	0.160	0.30	0.79	64	845	37	14 000	1 669.2	1981	88 12
64	0.60	0.140	0.35	0.85	59	871	42	13 503	1 623.5	1982	83 02 - SUSP 83 02
64	5.13	0.230	0.16	0.79	92	849	39	13 529	1 650.9	1976	88 04
256	10.21	0.210	0.25	0.73	120	824	46	13 321	1 642.8	1986	88 12
64	5.76	0.172	0.30	0.79	98	813	42	12 710	1 624.3	1986	87 02
128	7.30	0.210	0.25	0.79	98	838	45	13 134	1 666.6	1987	87 08
64	5.80	0.200	0.20	0.79	98	813	42		1 677.7	1987	88 03
64	1.60	0.120	0.40	0.83	46	838	40	13 291	1 658.0	1981	83 02 - ABAND 86 02
64	1.50	0.160	0.35	0.83	66	859	44	14 490	1 717.3	1981	82 09
439	1.45	0.143	0.51	0.83	96	854	40	13 876	1 584.0	1972	85 04
64	4.50	0.120	0.40	0.83	66	873	51	14 414	1 679.8	1982	86 12 - ABAND 85 06
64	2.30	0.190	0.41	0.83	125	850	65	13 347	1 684.0	1987	87 08
384	7.20	0.130	0.35	0.82	77	822	61	13 375	2 047.3	1980	87 02
64	3.30	0.098	0.36	0.82	70	822	61	13 565	1 927.0	1980	83 12 - ABAND 82 11
64	2.80	0.087	0.35	0.72	97	825	61	13 500	1 884.0	1984	85 09 - SUSP 86 05
64	1.45	0.123	0.14	0.64	199	822	83	20 235	1 416.3	1986	87 05
230	1.86	0.130	0.12	0.64	199	822	83	22 648	2 442.0	1978	84 05
64	3.50	0.120	0.23	0.61	323	773	79	26 357	2 881.2	1981	82 03
64	44.50	0.100	0.17	0.64	172	825	96	32 890	3 351.0	1964	85 09 - GPP
3 136					552	792	105	35 670	3 533.5	1958	88 05
2 992	28.37	0.062	0.16	0.38							
144	42.11	0.062	0.16	0.38							
64	28.60	0.090	0.16	0.38	552	793	95	32 000	3 547.0	1982	83 04
101	47.00	0.080	0.15	0.31	555	788	105	36 074	3 572.7	1985	88 05
320	4.09	0.210	0.38	0.94	38	837	28	4 468	788.8	1984	86 06
64	2.80	0.150	0.40	0.80	84	861	32	6 674	1 086.0	1978	86 02
512	3.89	0.178	0.21	0.94	70	822	35	7 513	925.2	1978	88 02
64	0.98	0.136	0.34	0.90	37	837	36	6 229	954.0	1987	87 09
64	2.80	0.170	0.37	0.94	19	831	38	6 871	996.6	1987	88 10
80	5.63	0.170	0.32	0.91	28	860	41	8 480	1 119.2	1952	87 07 - GPP
64	12.10	0.050	0.10	0.70	130	825	72	23 822	2 242.0	1987	88 07
832	10.08	0.085	0.19	0.88	32	827	50	17 200	1 744.5	1982	85 08
320	5.33	0.108	0.17	0.89	32	827	50	16 839	1 670.7	1984	86 04
64	8.70	0.085	0.29	0.93	12	825	56	16 270	1 790.8	1985	85 11
64	8.00	0.095	0.25	0.93	44	820	55	17 315	1 800.8	1984	87 12 - SUSP 86 03
64	1.31	0.060	0.33	0.93	12	825	56	16 744	1 803.1	1985	86 03 - SUSP 86 01
128	3.18	0.057	0.42	0.93	12	825	56	17 107	1 791.9	1985	86 03
64	6.05	0.060	0.48	0.85	12	830	56	16 039	1 773.2	1985	86 03 - SUSP 86 11
1 209	6.07	0.081	0.26	0.89	32	827	50	17 367	1 698.1	1980	87 10
128	8.63	0.057	0.26	0.88	39	847	54	15 878	1 791.1	1985	87 05
64	5.68	0.062	0.29	0.88	39	840	54	16 108	1 797.5	1985	86 05 - SUSP 87 10

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
SLAVE 084-14W5 (CONTINUED)								
SLAVE POINT V	172.0	<0.01		0.1		0.1		0.1
SLAVE POINT X	185.0	0.30		55.5		55.5	3.7	51.8
SLAVE POINT Z	128.0	0.25		32.0		32.0	0.3	31.7
SLAVE POINT AA	290.0	0.25		72.5		72.5	8.5	64.0
SLAVE POINT BB	134.0	0.30		40.2		40.2	1.8	38.4
SLAVE POINT CC	356.0	0.30		107.0		107.0	6.0	101.0
GRANITE WASH B	45.5	0.20		9.1		9.1	2.3	6.8
GRANITE WASH D	187.0	0.25		46.8		46.8	5.6	41.2
GRANITE WASH E	91.8	0.30		27.5		27.5	2.9	24.6
GRANITE WASH F	100.0	0.25		25.0		25.0	2.7	22.3
SNIPE LAKE 071-18W5								
BEAVERHILL LAKE TOTAL	31 100.0			3 726.0	8 680.0	12 410.0	8 585.1	3 824.9
PRIMARY AREA	52.0	0.12		6.2		6.2		
WATER FLOOD AREA	31 000.0	0.12	0.28	3 720.0	8 680.0	12 400.0		
BEAVERHILL LAKE B	130.0	0.20		26.0		26.0	8.7	17.3
GILWOOD A	91.2	0.25		22.8		22.8	4.4	18.4
SOUNDING 030-09W4								
UPPER MANNVILLE D	215.0	0.05		10.8		10.8	2.1	8.7
SOUSA 113-04W6								
SULPHUR POINT A	319.0	<0.01		0.3		0.3	0.3	
KEG RIVER A	284.0	<0.04		11.2		11.2	11.2	
KEG RIVER B	140.0	0.10		14.0		14.0	3.9	10.1
KEG RIVER C	308.0	0.25		77.0		77.0	7.7	69.3
KEG RIVER D	1 390.0	0.06		83.4		83.4	71.0	12.4
KEG RIVER E	250.0	0.20		50.0		50.0	10.5	39.5
KEG RIVER F	891.0	0.10		89.1		89.1	69.0	20.1
KEG RIVER G	926.0	<0.01		1.9		1.9	1.9	
KEG RIVER H	396.0	0.12		47.5		47.5	42.5	5.0
KEG RIVER I	62.3	<0.04		2.3		2.3	2.3	
KEG RIVER J	256.0	<0.01		0.3		0.3	0.3	
KEG RIVER K	108.0	0.25		27.0		27.0	1.1	25.9
KEG RIVER L	132.0	<0.01		0.1		0.1	0.1	
KEG RIVER M	124.0	0.10		12.4		12.4	3.7	8.7
KEG RIVER N	160.0	0.30		48.0		48.0	8.5	39.5
KEG RIVER O	70.0	0.15		10.5		10.5	2.5	8.0
KEG RIVER P	1 100.0	0.10		110.0		110.0	0.3	109.7
KEG RIVER Q	272.0	0.25		68.0		68.0	6.4	61.6
KEG RIVER R	179.0	0.30		53.7		53.7	2.3	51.4
KEG RIVER S	121.0	0.25		30.3		30.3	1.3	29.0
SPIRIT RIVER 078-07W6								
DOE CREEK A	217.0	0.10		21.7		21.7	0.9	20.8
DOE CREEK C	4 260.0	0.10		426.0		426.0	37.9	388.1
DOE CREEK E	170.0	0.10		17.0		17.0	0.5	16.5
DOE CREEK F	77.1	0.05		3.8		3.8	0.5	3.3
GETHING A	69.4	<0.01		0.1		0.1	0.1	
BALDONNEL A	171.0	<0.01		0.5		0.5	0.5	
CHARLIE LAKE D	240.0	0.10		24.0		24.0	8.9	15.1
CHARLIE LAKE E	1 756.0	0.10		176.0		176.0	47.7	128.3
CHARLIE LAKE F	54.8	<0.01		0.3		0.3	0.3	
CHARLIE LAKE J	61.8	0.30		18.5		18.5	9.8	8.7
CHARLIE LAKE K TOTAL	814.0			122.4	101.0	223.0	56.7	166.3
PRIMARY AREA	309.0	0.15		46.4		46.4		
WATER FLOOD AREA	505.0	0.15	0.20	76.0	101.0	177.0		
CHARLIE LAKE G,H & I	135.0	0.10		13.5		13.5	4.5	9.0
HALFWAY F TOTAL	6 680.0			1 136.0	1 161.0	2 297.0	654.4	1 642.6
PRIMARY AREA	227.1	0.17		38.6		38.6		
WATER FLOOD AREA	6 453.0	0.17	0.18	1 097.0	1 161.0	2 258.0		
SPRING COULEE 003-23W4								
RUNDLE	413.0	<0.04		13.0		13.0	13.0	
ST. ALBERT-BIG LAKE 053-26W4								
BIG LAKE D-1 A	254.0	<0.17		41.3		41.3	41.3	
D-1 D	2 880.0	0.10		288.0		288.0	130.2	157.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	5.00	0.090	0.32	0.88	36	823	50	16 277	1 690.4	1986	86 08 - SUSP 86 07
128	5.24	0.055	0.43	0.88	36	823	55	15 233	1 743.9	1986	87 05
64	3.80	0.080	0.26	0.89	32	820	50	15 168	1 713.1	1987	87 12
192	2.90	0.080	0.27	0.89	32	40	50	16 396	1 713.8	1987	88 05
64	5.09	0.063	0.26	0.88	36	818	50	15 983	1 794.9	1986	86 12
128	5.39	0.069	0.16	0.89	32	40	50	16 571	1 705.3	1987	88 11
64	2.00	0.070	0.41	0.86	40	825	68	17 657	1 782.5	1985	86 03
64	2.80	0.150	0.18	0.85	46	835	69	16 890	1 753.7	1985	86 05
64	1.80	0.120	0.19	0.82	62	835	69	16 941	1 764.0	1985	86 06
112	1.51	0.110	0.40	0.90	14	38	43	16 043	1 717.3	1987	88 12
7 237					59	839	88	26 340	2 630.0	1962	86 07
64	2.00	0.067	0.27	0.83							
7 173	10.49	0.068	0.27	0.83							
64	3.40	0.095	0.24	0.83	53	829	66	26 037	2 652.8	1985	85 08
64	1.84	0.150	0.42	0.89	36	38	86	24 028	2 654.0	1987	88 05
64	2.10	0.250	0.29	0.90	39	873	33	6 660	919.8	1971	85 06 - GPP
64	17.83	0.046	0.25	0.81	74	876	72	14 070	1 414.6	1969	71 05 - SUSP 85 03
22	33.22	0.060	0.20	0.80	80	839	74	15 220	1 540.5	1969	84 12 - ABAND 84 01
11	55.84	0.037	0.30	0.88	30	839	70	15 000	1 494.5	1967	86 06
16	84.70	0.037	0.31	0.89	32	834	75	14 940	1 478.0	1968	84 08 - SUSP 86 11
74	67.00	0.045	0.28	0.87	39	844	80	15 200	1 508.8	1969	85 12 - GPP
16	29.26	0.075	0.15	0.83	62	849	71	14 930	1 495.3	1970	85 12
47	50.35	0.054	0.19	0.87	39	844	80	15 440	1 522.6	1970	84 12 - GPP
42	53.28	0.060	0.20	0.87	39	844	80	15 580	1 543.5	1970	85 07 - SUSP 84 04
25	62.88	0.040	0.29	0.87	39	844	80	15 200	1 527.0	1970	83 12 - GPP
11	49.01	0.020	0.37	0.89	32	829	75	14 790	1 488.6	1970	82 12 - ABAND 81 02
15	70.01	0.040	0.30	0.87	57	849	80	15 240	1 559.7	1970	81 05 - SUSP 82 09
64	30.30	0.010	0.36	0.87	39	848	80	14 175	1 486.2	1985	86 05 - SUSP 86 03
64	55.00	0.010	0.57	0.87	39	875	80	15 662	1 515.5	1986	86 05 - SUSP 86 03
37	16.70	0.032	0.28	0.87	39	843	80	14 844	1 520.0	1986	88 03
25	51.40	0.022	0.35	0.87	39	843	80	15 270	1 520.5	1986	88 03
33	25.30	0.016	0.32	0.77	95	843	80	14 736	1 502.0	1986	88 05
64	63.30	0.040	0.22	0.87	39	843	80	15 322	1 540.3	1987	87 08
64	61.50	0.013	0.39	0.87	39	854	80	15 397	1 535.3	1985	87 09
64	34.00	0.017	0.45	0.88	32	860	68	14 662	1 490.5	1986	86 07
64	63.30	0.010	0.66	0.88	32	38	75	15 059	1 513.2	1986	88 05
64	3.00	0.170	0.26	0.90	39	850	24	1 503	306.5	1985	86 06
1 790	1.59	0.228	0.30	0.94	21	840	29	1 859	553.8	1986	88 10
64	3.30	0.152	0.40	0.88	50	840	28	5 029	492.4	1984	88 08
64	1.05	0.180	0.30	0.91	38	850	25	1 426	300.6	1987	88 04
64	1.70	0.150	0.50	0.85	66	809	20	10 904	1 388.7	1981	83 04 - ABAND 85 06
64	4.42	0.130	0.38	0.75	100	810	52	12 287	1 456.9	1984	85 07 - ABAND 85 10
64	3.00	0.200	0.20	0.78	88	839	69	14 174	1 661.7	1980	80 12 - GPP
1 287	1.45	0.135	0.17	0.84	67	830	62	13 800	1 578.3	1980	87 04
64	2.00	0.090	0.42	0.82	60	830	70	13 482	1 627.0	1983	88 12 - SUSP 86 01
100	0.67	0.146	0.23	0.82	64	834	66	12 476	1 473.9	1983	87 12
384					100	837	59	13 166	1 429.3	1983	86 12
64	5.00	0.180	0.33	0.80							
320	1.75	0.166	0.32	0.80							
128	2.06	0.100	0.39	0.84	67	826	62	12 886	1 589.3	1980	85 07
1 553					91	825	58	13 260	1 431.0	1983	86 08
86	2.55	0.160	0.19	0.80							
1 467	4.24	0.160	0.19	0.80							
331	2.83	0.070	0.25	0.84	46	855	56	10 070	1 835.5	1950	78 10 - SUSP 84 11
110	5.85	0.058	0.20	0.85	70	849	53	9 310	1 225.9	1958	83 12 - SUSP 83 12
240	29.46	0.080	0.40	0.85	70	851	54	9 332	1 222.7	1953	83 10

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ST. ALBERT-BIG LAKE 053-26W4 (CONTINUED)								
D-1 E	299.0	0.10		29.9		29.9	1.7	28.2
BIG LAKE D-2 A	500.0	0.65		325.0		325.0	291.7	33.3
BIG LAKE D-3 A	3 700.0	0.65		2 400.0		2 400.0	2 179.8	220.2
ST. ALBERT D-3 B	1 750.0	0.60		1 050.0		1 050.0	887.0	163.0
STANMORE 029-11W4								
UPPER MANNVILLE B	283.0	<0.06		15.1		15.1	15.1	
UPPER MANNVILLE G	356.0	0.03		10.7		10.7	6.2	4.5
UPPER MANNVILLE P	1 730.0	0.05		86.4		86.4	31.8	54.6
UPPER MANNVILLE W	36.5	0.10		3.7		3.7	0.5	3.2
UPPER MANNVILLE Y	168.0	0.10		16.8		16.8	2.3	14.5
UPPER MANNVILLE DD	396.0	0.10		39.6		39.6	2.0	37.6
UPPER MANNVILLE EE	59.6	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	98.0	0.10		9.9		9.9	8.6	1.3
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	4.9	6.5
LOWER MANNVILLE L	148.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE O	700.0	0.10		70.0		70.0	32.0	38.0
LOWER MANNVILLE T	171.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE X	62.2	0.15		9.3		9.3	6.6	2.7
LOWER MANNVILLE Y	130.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE A&B	193.0	0.06		11.6		11.6	10.0	1.6
STETTLER 038-20W4								
UPPER MANNVILLE C	186.0	0.05		9.3		9.3	0.7	8.6
LOWER MANNVILLE A	1 110.0	0.01		11.1		11.1	0.9	10.2
D-2 A TOTAL	9 430.0			2 833.0	1 380.0	4 213.0	4 018.0	195.0
PRIMARY AREA	210.0	0.30		63.0		63.0		
WATER FLOOD AREA	9 220.0	0.30	0.15	2 770.0	1 380.0	4 150.0		
D-2 B	95.0	<0.01		3.3		3.3	3.3	
D-2 C	310.0	<0.01		0.1		0.1	0.1	
D-3 A	6 150.0	0.60		3 690.0		3 690.0	3 295.3	394.7
D-3 B	400.0	0.65		260.0		260.0	244.0	16.0
D-3 D	106.0	0.60		63.6		63.6	8.8	54.8
D-3 E	172.0	0.10		17.2		17.2	1.7	15.5
D-3 F	103.0	0.25		25.8		25.8	1.1	24.7
D-3 G	20.8	0.60		12.5		12.5	5.3	7.2
STETTLER NORTH 039-20W4								
UPPER MANNVILLE A	618.0	0.08		49.4		49.4	37.9	11.5
STETTLER SOUTH 037-20W4								
D-2 TOTAL	1 600.0			288.0	80.0	368.0	288.0	80.0
PRIMARY AREA	600.0	0.18		108.0		108.0		
WATER FLOOD AREA	1 000.0	0.18	0.08	180.0	80.0	260.0		
D-2 B	132.0	0.18		23.8		23.8	5.7	18.1
D-3	407.0	0.65		265.0		265.0	240.4	24.6
STRATHMORE 022-25W4								
UPPER MANNVILLE A	227.0	0.05		11.4		11.4	10.6	0.8
LOWER MANNVILLE A	161.0	0.10		16.1		16.1	5.8	10.3
LOWER MANNVILLE B	1 317.0	0.10		132.0		132.0	17.2	114.8
LOWER MANNVILLE C	107.0	0.05		5.3		5.3	0.1	5.2
STURGEON LAKE 071-23W5								
D-3	7 450.0	0.54		4 020.0		4 020.0	3 406.1	613.9
STURGEON LAKE SOUTH 069-22W5								
TRIASSIC A	4 770.0	0.11		524.0		524.0	428.9	95.1
TRIASSIC B	1 200.0	0.25		300.0		300.0	236.5	63.5
TRIASSIC C	26.6	<0.01		0.2		0.2	0.2	
BLUERIDGE A	884.0	0.20		177.0		177.0	125.9	51.1
D-3	49 000.0	<0.57		27 800.0		27 800.0	21 594.8	6 205.2
D-3 B	1 210.0	0.10		121.0		121.0	116.2	4.8
D-3 C	818.0	0.55		450.0		450.0	193.3	256.7
D-3 D	268.0	<0.01		1.8		1.8	1.8	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	14.40	0.080	0.50	0.81	53	861	50	9 321	1 226.4	1984	84 08
130	16.50	0.034	0.22	0.88	71	844	55	10 620	1 336.5	1956	82 12
101	43.24	0.110	0.06	0.82	62	849	58	11 240	1 463.6	1956	82 12 - GPP
110	22.00	0.098	0.09	0.81	73	855	58	11 030	1 424.9	1952	83 12
65	3.71	0.195	0.32	0.90	42	876	38	8 880	1 043.6	1970	86 12 - SUSP 86 01
64	4.60	0.206	0.35	0.90	43	876	32	9 280	1 062.2	1976	79 12
480	3.51	0.200	0.43	0.90	56	865	37	9 408	1 048.5	1979	85 12 - GPP
32	2.00	0.120	0.50	0.95	20	910	30	9 419	1 047.2	1978	84 11 - SUSP 87 01
128	1.79	0.160	0.46	0.85	46	890	36	7 371	1 086.3	1985	86 06
128	4.50	0.190	0.58	0.86	55	875	32	7 969	1 077.2	1987	88 10
64	1.23	0.140	0.40	0.90	47	876	27	8 600	1 046.1	1972	78 02 - SUSP 79 02
65	1.83	0.120	0.25	0.92	34	892	38	9 300	1 038.8	1977	77 07 - GPP
64	1.23	0.240	0.30	0.86	51	887	37	9 240	1 045.0	1977	79 05 - GPP
64	2.00	0.180	0.30	0.92	36	876	39	6 270	1 066.1	1978	82 12 - ABAND 81 07
256	1.96	0.230	0.32	0.89	45	863	38	9 461	1 084.7	1980	87 12
64	2.30	0.210	0.40	0.92	126	858	50	9 631	1 087.7	1979	83 12 - SUSP 79 10
64	1.00	0.180	0.40	0.90	18	863	37	6 234	1 072.5	1984	87 12
64	1.17	0.260	0.25	0.89	62	889	37	8 517	1 028.1	1976	88 12 - SUSP 86 05
64	2.70	0.200	0.35	0.86	37	870	49	9 480	1 076.2	1975	84 12 - GPP
64	3.17	0.160	0.35	0.88	58	872	35	9 068	1 296.4	1987	88 03
64	17.37	0.160	0.30	0.88	46	870	47	8 140	1 319.8	1974	85 12
2 239					63	876	62	12 000	1 585.9	1949	86 06
112	5.94	0.050	0.22	0.81							
2 127	13.72	0.050	0.22	0.81							- GPP
64	2.60	0.080	0.12	0.81	62	887	38	11 800	1 583.1	1978	86 12 - ABAND 84 05
64	12.00	0.060	0.20	0.84	62	887	55	11 767	1 592.0	1979	82 12 - SUSP 81 08
1 861	7.96	0.061	0.17	0.82	67	887	63	12 820	1 626.7	1949	75 08 - GPP
133	5.68	0.075	0.15	0.83	62	876	65	12 690	1 648.1	1952	84 12
64	5.30	0.060	0.37	0.83	62	876	58	12 086	1 642.7	1984	85 02
64	3.15	0.124	0.18	0.84	62	873	65	11 935	1 645.5	1984	86 12
32	4.00	0.130	0.26	0.84	62	902	65	11 768	1 631.0	1985	86 03
11	3.90	0.075	0.21	0.82	68	887	66	12 100	1 629.0	1983	85 09
285	1.85	0.200	0.31	0.85	44	887	33	9 290	1 293.0	1949	82 10 - GPP
280					63	876	62	11 960	1 605.4	1951	85 02 - GPP
120	6.68	0.110	0.15	0.80							
160	8.36	0.110	0.15	0.80							
32	5.09	0.145	0.31	0.81	65	882	63	11 926	1 601.2	1984	85 08 - GPP
175	3.93	0.084	0.12	0.80	75	904	60	12 760	1 653.8	1952	84 12 - GPP
64	3.70	0.150	0.20	0.80	177	800	52	13 680	1 703.2	1963	73 11 - GPP
64	3.40	0.120	0.25	0.82	76	865	49	11 640	1 782.6	1976	79 09 - GPP
256	5.95	0.160	0.27	0.74	118	855	53	15 627	1 812.3	1985	88 07
64	2.00	0.150	0.36	0.87	42	845	53	15 668	1 808.8	1981	87 08 - SUSP 87 07
704	36.80	0.052	0.15	0.65	188	839	88	27 240	2 698.4	1952	88 08
1 578	4.08	0.150	0.35	0.76	102	844	52	13 890	1 499.6	1955	70 02 - GPP
565	2.83	0.139	0.29	0.76	101	839	54	14 860	1 554.5	1957	88 12 - GPP
32	2.00	0.090	0.40	0.77	104	838	54	13 115	1 553.8	1983	85 04 - ABAND 85 03
364	6.43	0.073	0.24	0.68	145	834	82	24 340	2 337.8	1957	84 12 - GPP
6 700	25.00	0.050	0.10	0.65	183	834	88	27 340	2 590.8	1953	87 08
446	8.87	0.050	0.15	0.72	133	839	91	25 990	2 660.0	1964	73 12 - GPP
98	13.22	0.102	0.09	0.68	160	841	88	22 899	2 672.1	1983	84 11
32	15.20	0.090	0.10	0.68	160	850	89	23 063	2 658.4	1984	84 12 - SUSP 85 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
	10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	10^3m^3	10^3m^3
SULLIVAN LAKE 034-14W4								
BASAL QUARTZ A	156.0	<0.01		0.4		0.4	0.4	
BANFF A	195.0	0.10		19.5		19.5	1.5	18.0
BANFF B	754.0	0.10		75.4		75.4	4.9	70.5
SUNDRE 034-05W5								
VIKING A	382.0	0.10		38.2		38.2	20.1	18.1
VIKING B	214.0	0.10		21.4		21.4	6.0	15.4
VIKING C	97.9	0.10		9.8		9.8	1.1	8.7
VIKING E	72.2	0.10		7.2		7.2	0.6	6.6
VIKING F	868.0	0.10		86.8		86.8	41.3	45.5
VIKING H	96.0	0.10		9.6		9.6	0.3	9.3
RUNDLE A TOTAL	13 200.0			3 248.0	2 540.0	5 788.0	5 165.5	622.5
PRIMARY AREA	488.0	0.15		73.2		73.2		
WATER FLOOD AREA	12 700.0	0.25	0.20	3 175.0	2 540.0	5 715.0		
RUNDLE B TOTAL	3 134.0			494.0	333.0	827.0	648.4	178.6
PRIMARY AREA	754.0	0.15		113.0		113.0		
WATER FLOOD AREA	2 380.0	0.16	0.14	381.0	333.0	714.0		
RUNDLE C	129.0	0.10		12.9		12.9	1.2	11.7
SUNSET 069-20W5								
TRIASSIC A WATER FLOOD	4 130.0	0.25	0.02	1 030.0	83.0	1 120.0	503.2	616.8
TRIASSIC B	288.0	0.15		43.2		43.2	17.3	25.9
BEAVERHILL LAKE A	245.0	<0.01		1.1		1.1	1.1	
SWALWELL 029-24W4								
PEKISKO A	1 620.0	0.05		81.0		81.0	57.1	23.9
PEKISKO B	167.0	<0.01		0.7		0.7	0.7	
PEKISKO C	249.0	<0.01		0.5		0.5	0.5	
PEKISKO D	408.0	0.10		40.8		40.8	27.3	13.5
PEKISKO E	37.8	0.10		3.8		3.8	0.9	2.9
PEKISKO F	2 420.0	0.10		242.0		242.0	67.0	175.0
PEKISKO H	603.0	0.02		12.1		12.1	6.6	5.5
PEKISKO I	373.0	0.10		37.3		37.3	1.5	35.8
PEKISKO L	98.0	0.10		9.8		9.8	8.7	1.1
D-2 A	1 120.0	0.20		224.0		224.0	171.8	52.2
D-2 C	325.0	0.25		81.3		81.3	15.5	65.8
D-2 D	171.0	0.25		42.8		42.8	6.1	36.7
SWAN HILLS 068-10W5								
BEAVERHILL LAKE C TOTAL	98 710.0			12 450.0	20 180.0	32 630.0	19 347.7	13 282.3
PRIMARY AREA	3 832.0	0.08		306.6		306.6		
WATER FLOOD AREA	94 880.0	0.13	0.22	12 140.0	20 180.0	32 320.0		
BEAVERHILL LAKE D	216.0	<0.01		0.2		0.2	0.2	
BEAVERHILL LAKE E	101.0	0.10		10.1		10.1	0.7	9.4
BEAVERHILL LAKE A&B TOTAL	290 000.0			45 200.0	72 100.0	117 300.0	88 936.0	28 364.0
PRIMARY AREA	4 880.0	0.12		586.0		586.0		
SOLVENT FLOOD AREA	141 900.0	<0.17	0.35	23 700.0	48 400.0	72 100.0		
WATER FLOOD AREA	143 200.0	0.15	0.17	20 900.0	23 700.0	44 600.0		
SWAN HILLS SOUTH 065-10W5								
BEAVERHILL LAKE A&B TOTAL	134 800.0			23 170.0	44 280.0	67 450.0	54 732.8	12 717.2
PRIMARY AREA	2 310.0	0.14		324.0		324.0		
SOLVENT FLOOD AREA	124 800.0	0.18	0.35	22 460.0	43 690.0	66 150.0		
WATER FLOOD AREA	7 646.0	0.05	0.07	382.3	590.7	973.0		
SYLVAN LAKE 037-03W5								
CARDIUM A	550.0	0.12		66.0		66.0	62.0	4.0
CARDIUM B	210.0	0.10		21.0		21.0	10.5	10.5
CARDIUM C	186.0	0.05		9.3		9.3	1.9	7.4
CARDIUM E, 2WS B, OSTRACOD L	90.9	0.07		6.0		6.0	2.7	3.3
SECOND WHITE SPECKS A	484.0	0.02		9.7		9.7	4.2	5.5
VIKING E	361.0	0.10		36.1		36.1	31.2	4.9
VIKING G	64.5	0.15		9.7		9.7	5.6	4.1
VIKING H	73.9	0.10		7.4		7.4	3.5	3.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m³/m³	DENSITY kg/m³	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
64	1.80	0.220	0.30	0.88	51	877	30	8 477	1 095.3	1980	80 10 - SUSP 81 11
64	3.20	0.130	0.16	0.87	51	878	43	9 085	1 173.4	1982	83 09
128	10.19	0.100	0.32	0.85	62	872	36	9 025	1 176.4	1987	88 02
256	4.36	0.070	0.27	0.67	181	816	87	18 307	2 481.4	1980	84 01
64	5.80	0.100	0.20	0.72	128	849	59	18 758	2 422.4	1981	82 03
64	3.40	0.080	0.25	0.75	181	850	87	19 064	2 565.0	1984	85 05
64	3.21	0.069	0.24	0.67	181	808	87	18 400	2 486.5	1985	85 12 - SUSP 86 10
752	2.95	0.080	0.27	0.67	181	808	87	18 179	2 502.7	1987	88 07
64	3.00	0.100	0.25	0.67	181	808	87	18 400	2 480.5	1986	88 12
2 489					130	865	91	25 370	2 759.0	1955	87 12
192	8.75	0.051	0.22	0.73							
2 297	8.29	0.105	0.13	0.73							
920					127	865	90	25 060	2 702.0	1960	87 12
250	4.98	0.100	0.17	0.73							
670	6.36	0.090	0.15	0.73							
64	8.20	0.050	0.30	0.70	195	863	93	27 806	2 801.9	1985	86 01
1 391	5.46	0.130	0.49	0.82	97	865	60	12 860	1 439.3	1960	80 02 - GPP
96	5.33	0.140	0.51	0.82	76	865	43	14 420	1 390.9	1975	85 05
128	6.74	0.056	0.35	0.78	70	877	86	24 600	2 693.6	1982	85 12 - SUSP 83 09
576	10.40	0.044	0.25	0.82	74	849	53	11 720	1 626.1	1965	81 12 - GPP
65	14.02	0.050	0.55	0.82	74	839	54	12 100	1 700.5	1976	81 12 - SUSP 77 11
65	16.46	0.050	0.43	0.82	74	839	49	10 480	1 705.4	1976	82 12 - SUSP 76 12
128	10.80	0.060	0.40	0.82	71	839	64	10 958	1 665.0	1977	83 08
65	1.83	0.060	0.35	0.82	78	855	43	11 210	1 652.6	1977	79 03
745	8.21	0.070	0.31	0.82	64	871	52	11 010	1 656.8	1979	84 05
128	18.84	0.050	0.39	0.82	67	869	51	10 991	1 626.5	1979	83 12 - GPP
64	8.80	0.133	0.40	0.83	85	874	61	11 167	1 621.1	1980	79 03
64	4.94	0.060	0.37	0.82	71	849	60	11 170	1 710.0	1976	78 12 - GPP
594	4.25	0.080	0.28	0.77	96	839	69	16 580	1 967.8	1969	87 12 - GPP
150	3.76	0.100	0.20	0.72	122	837	62	16 271	1 985.2	1987	88 11
64	9.00	0.050	0.23	0.77	122	837	61	16 079	1 975.9	1987	88 03
25 749					77	815	91	21 950	2 281.4	1958	86 09
2 254	3.91	0.062	0.10	0.78							
23 495	9.28	0.062	0.10	0.78							
128	9.00	0.030	0.20	0.78	86	818	53	22 363	2 487.8	1982	84 12 - SUSP 84 01
64	3.68	0.064	0.14	0.78	77	818	85	20 146	2 333.0	1987	88 03
40 666					100	820	104	22 680	2 527.4	1957	88 11
2 273	5.70	0.067	0.23	0.73							
7 813	37.00	0.082	0.18	0.73							
30 580	11.28	0.079	0.28	0.73							
14 913					113	820	107	23 510	2 543.6	1959	87 01
713	9.16	0.063	0.22	0.72							
11 222	22.20	0.084	0.16	0.71							
2 978	6.92	0.065	0.20	0.71							
411	1.54	0.138	0.25	0.84	71	860	54	27 130	1 763.9	1962	79 12 - GPP
192	1.51	0.120	0.28	0.84	71	847	54	27 230	1 793.6	1976	88 03 - GPP
128	4.03	0.058	0.26	0.84	68	845	54	10 050	1 681.0	1982	88 03 - GPP
64	3.40	0.080	0.35	0.80	62	827	60	8 500	1 807.0	1985	88 07
64	12.00	0.180	0.50	0.70	145	816	64	18 657	2 086.0	1981	83 12 - GPP
256	2.77	0.110	0.40	0.77	102	839	66	15 130	1 999.5	1972	87 07 - GPP
64	2.80	0.080	0.40	0.75	123	820	36	18 036	1 996.9	1964	81 07 - GPP
64	2.20	0.100	0.30	0.75	105	815	58	18 843	1 981.4	1981	82 05

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
SYLVAN LAKE 037-03W5 (CONTINUED)								
VIKING J	77.8	0.15		11.7		11.7	0.9	10.8
VIKING K	120.0	0.15		18.0		18.0	14.3	3.7
VIKING L	80.2	<0.02		1.6		1.6	1.6	
VIKING M	400.0	0.10		40.0		40.0	5.5	34.5
VIKING N	13.8	0.10		1.4		1.4		1.4
VIKING O	65.9	0.10		6.6		6.6	2.3	4.3
VIKING P	72.1	0.15		10.8		10.8	3.2	7.6
VIKING Q	25.1	<0.12		2.9		2.9	2.9	
VIKING T	36.2	0.15		5.4		5.4	0.7	4.7
VIKING U	55.9	0.15		8.4		8.4	2.8	5.6
VIKING V	86.0	0.20		17.2		17.2	7.1	10.1
VIKING W	292.0	0.05		14.6		14.6	2.7	11.9
VIKING Y	9.6	0.10		1.0		1.0	0.1	0.9
VIKING Z	80.0	0.15		12.0		12.0	10.9	1.1
VIKING AA	55.2	0.10		5.5		5.5	0.6	4.9
VIKING CC	52.0	0.10		5.2		5.2	0.6	4.6
VIKING A & S	2 190.0	0.12		264.0		264.0	208.8	55.2
GLAUCONITIC C	337.0	<0.06		18.4		18.4	18.4	
GLAUCONITIC D	172.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC F	333.0	<0.01		0.9		0.9	0.9	
GLAUCONITIC G	341.0	0.10		34.1		34.1	14.0	20.1
GLAUCONITIC H	246.0	0.10		24.6		24.6	3.8	20.8
LOWER MANNVILLE J	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE N	84.3	0.10		8.4		8.4	0.7	7.7
LOWER MANNVILLE R	529.0	0.10		52.9		52.9	0.9	52.0
LOWER MANNVILLE S	44.0	<0.03		1.1		1.1	1.1	
LOWER MANNVILLE Y	1 170.0	0.10		117.0		117.0	14.0	103.0
OSTRACOD A	254.0	<0.01		1.5		1.5	1.5	
OSTRACOD F	144.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ A & OSTRACOD B	435.0	0.03		13.1		13.1	11.2	1.9
DETRITAL B	973.0	<0.01		1.4		1.4	1.4	
DETRITAL D	359.0	<0.01		0.8		0.8		0.8
DETRITAL E & ELKTON E	443.0	0.08		35.4		35.4	29.3	6.1
JURASSIC A	4 740.0	0.10		474.0		474.0	351.4	122.6
JURASSIC B	222.0	<0.01		0.8		0.8	0.8	
JURASSIC C	1 590.0	0.05		79.5		79.5	53.5	26.0
JURASSIC D	429.0	0.10		42.9		42.9	21.0	21.9
JURASSIC E	726.0	0.03		21.8		21.8	19.1	2.7
JURASSIC I	373.0	0.05		18.7		18.7	1.0	17.7
JURASSIC J	752.0	<0.01		6.1		6.1	6.1	
JURASSIC M	184.0	<0.01		16.5		16.5	16.5	
JURASSIC N	909.0	<0.03		20.7		20.7	10.9	9.8
JURASSIC P	261.0	<0.01		0.1		0.1	0.1	
JURASSIC R	157.0	0.10		15.7		15.7	4.9	10.8
JURASSIC T	183.0	<0.01		0.9		0.9	0.9	
JURASSIC U	374.0	<0.01		0.3		0.3	0.3	
JURASSIC W	357.0	<0.01		0.1		0.1	0.1	
JURASSIC CC	177.0	0.10		17.7		17.7	0.4	17.3
JURASSIC FF	471.0	0.10		47.1		47.1	5.3	41.8
ELKTON F	454.0	0.10		45.4		45.4	35.5	9.9
ELKTON J	460.0	0.15		69.0		69.0	15.7	53.3
ELKTON K	189.0	0.15		28.4		28.4	10.3	18.1
ELKTON-SHUNDA D	4 770.0	0.15		715.0		715.0	600.2	114.8
ELKTON-SHUNDA E	1 028.0	0.15		154.0		154.0	152.4	1.6
ELKTON-SHUNDA F	539.0	0.10		53.9		53.9	3.6	50.3
ELKTON-SHUNDA G	425.0	0.05		21.3		21.3	2.8	18.5
SHUNDA C	126.0	0.02		2.5		2.5	1.8	0.7
SHUNDA E	82.0	0.10		8.2		8.2	6.6	1.6
SHUNDA F	60.0	0.10		6.0		6.0	0.9	5.1
SHUNDA G	37.2	0.10		3.7		3.7	0.2	3.5
SHUNDA H	209.0	0.10		20.9		20.9		20.9
PEKISKO A	120.0	0.01		1.2		1.2		1.2
PEKISKO B	7 950.0	0.29		2 300.0		2 300.0	1 770.6	529.4
PEKISKO C	3 210.0	0.30		963.0		963.0	550.5	412.5
PEKISKO D	1 910.0	0.25		478.0		478.0	353.4	124.6
PEKISKO E	159.0	<0.02		2.5		2.5	2.5	
PEKISKO G	830.0	<0.01		0.1		0.1	0.1	
PEKISKO M	426.0	<0.01		0.1		0.1	0.1	
PEKISKO Q	404.0	<0.01		1.4		1.4	1.4	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.70	0.100	0.40	0.75	125	825	60	17 530	1 970.2	1981	83 01 - SUSP 86 12
124	2.15	0.090	0.35	0.77	99	839	66	13 925	2 183.5	1977	83 12
128	1.37	0.090	0.34	0.77	101	839	66	11 706	2 102.8	1983	85 08 - SUSP 87 03
128	3.48	0.210	0.43	0.75	105	800	63	14 105	1 833.2	1982	87 12
64	0.70	0.080	0.50	0.77	101	839	66	14 826	1 881.7	1982	83 10
192	0.98	0.070	0.35	0.77	101	839	66	11 186	1 876.2	1983	85 04 - GPP
64	1.50	0.150	0.35	0.77	101	839	66	14 883	2 019.2	1983	84 09 - GPP
64	1.74	0.045	0.35	0.77	72	845	66	11 289	2 171.5	1978	88 12 - SUSP 86 09
64	1.50	0.070	0.30	0.77	101	840	66	11 530	1 972.8	1985	85 10 - GPP
64	1.70	0.100	0.35	0.79	101	839	66	10 513	1 582.2	1985	85 10 - GPP
64	3.00	0.080	0.30	0.80	101	839	66	11 606	2 086.5	1985	87 12 - GPP
192	3.38	0.080	0.26	0.76	131	806	44	12 500	1 794.0	1983	88 04
64	1.00	0.026	0.30	0.82	68	742	64	11 592	2 084.5	1986	87 09 - SUSP 87 08
112	1.00	0.160	0.41	0.76	131	898	44		1 769.8	1983	88 04
64	1.60	0.100	0.30	0.77	102	834	66	11 127	1 872.2	1985	88 07
64	1.80	0.090	0.65	0.77			41	9 032	1 943.0	1977	79 08
3 200	1.26	0.110	0.35	0.76	110	815	51	15 650	1 900.7	1965	85 11 - GPP
64	8.62	0.130	0.39	0.77	89	887	64	16 790	2 199.1	1964	73 12 - SUSP 80 04
65	4.57	0.100	0.25	0.77	98	910	62	16 420	2 201.0	1975	76 07 - SUSP 78 07
64	9.40	0.120	0.35	0.71	126	807	79	14 350	2 158.9	1983	86 12 - ABAND 85 07
64	6.70	0.140	0.20	0.71	90	808	70	12 180	2 162.6	1974	84 10
64	5.00	0.120	0.20	0.80	62	880	60	11 019	2 155.6	1987	87 10
65	2.74	0.200	0.30	0.85	64	915	61	14 090	2 158.0	1976	83 12 - ABAND 80 11
64	2.50	0.100	0.15	0.62	195	795	64	18 020	2 353.3	1978	79 03
64	12.30	0.120	0.30	0.80	80	845	66	17 006	2 140.4	1981	82 03 - GPP
64	1.20	0.090	0.25	0.85	54	888	71	17 609	2 336.1	1978	88 12 - SUSP 84 04
128	12.68	0.120	0.22	0.77	97	871	74	18 157	2 268.5	1987	88 07
64	5.18	0.130	0.24	0.77	80	892	71	17 510	2 284.8	1963	64 04 - SUSP 69 07
64	4.00	0.100	0.25	0.75	105	879	74	17 100	2 316.8	1979	82 12 - SUSP 80 09
64	7.08	0.150	0.20	0.80	108	892	73	20 532	2 387.0	1963	79 02 - GPP
65	19.81	0.128	0.25	0.79	80	887	73	16 510	2 197.6	1963	73 02 - SUSP 71 09
65	3.66	0.240	0.20	0.79	80	844	73	16 650	2 176.3	1962	76 10 - SUSP 77 10
64	10.40	0.104	0.18	0.78	102	887	76	19 200	2 431.7	1963	88 12 - GPP
1 251	4.87	0.133	0.25	0.78	96	887	68	17 310	2 278.3	1962	87 10
66	5.79	0.100	0.25	0.78	93	887	71	16 890	2 236.9	1962	64 04 - ABAND 66 10
192	10.50	0.130	0.22	0.78	96	887	71	15 673	2 242.5	1960	83 05 - GPP
138	5.12	0.104	0.25	0.78	94	887	71	16 000	2 225.3	1963	88 12 - GPP
65	12.80	0.150	0.25	0.78	95	898	67	17 070	2 211.9	1964	84 12 - GPP
65	10.97	0.090	0.25	0.78	95	887	71	17 070	2 222.6	1964	85 11 - GPP
128	7.94	0.130	0.27	0.78	96	887	71	17 270	2 249.1	1965	88 12 - ABAND 86 01
64	5.53	0.090	0.25	0.77	103	887	71	16 800	2 202.8	1962	85 12 - SUSP 84 12
192	7.33	0.120	0.31	0.78	83	890	68	17 921	2 269.2	1982	86 03
64	6.80	0.110	0.30	0.78	88	933	60	17 650	2 311.9	1983	84 03 - ABAND 84 09
64	5.10	0.103	0.40	0.78	95	919	65	17 871	2 263.5	1983	84 06 - GPP
64	3.40	0.150	0.30	0.80	83	889	68	15 374	2 303.0	1984	86 01 - ABAND 86 01
64	7.50	0.135	0.26	0.78	98	867	55	17 235	2 239.0	1981	88 12 - ABAND 87 11
64	5.20	0.170	0.19	0.78	98	895	55	15 000	2 232.7	1985	88 12 - SUSP 86 06
64	4.30	0.110	0.25	0.78	100	884	76	16 457	2 262.0	1987	88 03
128	4.70	0.130	0.25	0.80	78	871	70	16 968	2 304.7	1987	88 08
64	11.00	0.100	0.18	0.78	89	887	76	18 890	2 433.8	1963	87 12 - GPP
64	13.00	0.100	0.35	0.85	95	886	64	17 923	2 393.1	1984	84 11
64	4.00	0.120	0.25	0.82	72	911	73	16 846	2 217.1	1984	88 12
626	10.67	0.109	0.16	0.78	93	887	68	17 310	2 265.9	1963	63 10 - GPP
284	4.90	0.123	0.23	0.78	92	881	71	17 271	2 255.8	1953	87 07
64	12.50	0.125	0.30	0.77	74	913	71	16 802	2 302.7	1985	88 04
64	8.50	0.145	0.30	0.77	74	895	71	17 364	2 310.8	1986	88 04
65	1.83	0.170	0.20	0.78	96	892	72	16 800	2 192.7	1972	82 12 - GPP
64	3.20	0.080	0.35	0.77	100	908	70	16 637	2 317.6	1985	88 04 - ABAND 87 09
32	3.00	0.123	0.35	0.78	122	841	64		2 244.8	1987	88 03
64	2.82	0.050	0.51	0.84	75	925	70	16 536	2 284.8	1987	88 06 - SUSP 87 08
64	5.52	0.110	0.36	0.84	75	925	70	17 232	2 276.7	1987	88 06
64	3.00	0.105	0.24	0.76	88	886	64	17 229	2 321.8	1979	88 08 - SUSP 72 03
1 232	9.24	0.108	0.16	0.77	92	887	69	17 100	2 229.6	1962	70 02
624	9.04	0.090	0.19	0.78	93	887	72	17 440	2 236.3	1963	87 04 - GPP
487	6.58	0.102	0.20	0.73	121	849	76	17 510	2 257.7	1960	88 12 - GPP
27	8.23	0.105	0.20	0.86	85	921	73	15 860	2 154.3	1963	73 02 - SUSP 72 11
74	28.04	0.069	0.25	0.77	62	992	89	17 510	2 153.1	1963	64 12 - SUSP 64 05
65	7.01	0.140	0.13	0.77	94	887	67	17 480	2 292.7	1964	65 12 - ABAND 68 03
128	6.07	0.100	0.35	0.80	121	849	76	16 870	2 261.6	1983	85 10 - SUSP 85 10

TABLE 2-4

	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
FIELD POOL	INITIAL VOLUME IN PLACE 10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	CUMULATIVE PRODUCTION 10^3m^3	REMAINING ESTABLISHED RESERVES 10^3m^3
SYLVAN LAKE 037-03W5 (CONTINUED)								
PEKISKO R	269.0	0.05		13.5		13.5	3.0	10.5
PEKISKO S	268.0	0.15		40.2		40.2	2.2	38.0
PEKISKO T	155.0	<0.01		0.5		0.5	0.5	
D-3 A	1 620.0	0.01		16.2		16.2	9.3	6.9
D-3 B	785.0	0.20		157.0		157.0	2.1	154.9
D-3 C	785.0	0.35		275.0		275.0	41.3	233.7
TANGENT 080-24W5								
D-1 A	970.0	0.20		194.0		194.0	94.8	99.2
D-1 B	84.9	0.20		17.0		17.0	8.5	8.5
D-1 C	246.0	0.20		49.2		49.2	14.9	34.3
D-1 D	126.0	0.25		31.5		31.5	10.7	20.8
D-1 E	1 350.0	0.20		270.0		270.0	107.2	162.8
D-1 F	552.0	0.21		116.0		116.0	40.5	75.5
D-1 G	376.0	<0.01		2.2		2.2	2.2	
D-1 H	1 748.0	0.20		349.0		349.0	36.6	312.4
D-1 I	430.0	0.20		86.0		86.0	37.7	48.3
D-1 J	278.0	0.10		27.8		27.8	4.9	22.9
D-1 K	736.0	0.03		22.1		22.1	13.2	8.9
D-1 L	298.0	0.20		59.6		59.6	24.3	35.3
D-1 M	673.0	0.20		135.0		135.0	56.7	78.3
D-1 N	260.0	<0.01		0.2		0.2	0.1	0.1
D-1 O	351.0	0.20		70.2		70.2	2.8	67.4
D-1 P	752.0	0.30		226.0		226.0	19.4	206.6
D-1 Q	310.0	0.20		62.0		62.0	6.2	55.8
D-1 R	664.0	0.10		66.4		66.4	23.6	42.8
D-1 S	188.0	0.20		37.6		37.6	2.6	35.0
D-1 T	685.0	<0.01		0.1		0.1		0.1
D-1 U	704.0	0.20		141.0		141.0	7.2	133.8
D-1 V	1 745.0	0.25		436.0		436.0	59.6	376.4
D-1 W	95.6	0.10		9.6		9.6	0.1	9.5
D-1 X	79.6	0.25		19.9		19.9	0.2	19.7
D-1 Y	408.0	0.30		122.0		122.0	22.4	99.6
D-1 Z	1 970.0	0.20		394.0		394.0	13.4	380.6
D-1 BB	1 042.0	0.30		313.0		313.0	7.5	305.5
THORSBY 049-01W5								
GLAUCONITIC A	5 200.0	0.10		520.0		520.0	144.2	375.8
GLAUCONITIC B	500.0	0.10		50.0		50.0	32.4	17.6
GLAUCONITIC C	682.0	<0.01		0.5		0.5	0.5	
GLAUCONITIC G	840.0	0.10		84.0		84.0	1.2	82.8
OSTRACOD A	78.7	<0.01		0.2		0.2	0.2	
THREE HILLS CREEK 035-25W4								
PEKISKO	65.8	<0.03		1.6		1.6	1.6	
PEKISKO B	752.0	0.10		75.2		75.2	19.5	55.7
D-2 A	82.1	0.20		16.4		16.4	5.4	11.0
D-3 A	193.0	<0.01		0.8		0.8	0.7	0.1
TINDASTOLL 036-01W5								
BELLY RIVER A	2 800.0	0.10		280.0		280.0	110.3	169.7
BELLY RIVER B	480.0	0.01		4.8		4.8	2.5	2.3
BELLY RIVER C	248.0	<0.01		0.1		0.1		0.1
BELLY RIVER E	275.0	<0.01		0.1		0.1		0.1
BELLY RIVER F	442.0	0.10		44.2		44.2	1.0	43.2
LOWER MANNVILLE A	489.0	<0.01		0.4		0.4	0.4	
PEKISKO A	228.0	0.04		9.1		9.1	1.6	7.5
TOMAHAWK 052-05W5								
LOWER MANNVILLE A	141.0	0.10		14.1		14.1	0.8	13.3
NORDEGG A	1 250.0	0.05		62.5		62.5	19.8	42.7
NORDEGG B, BANFF B & C	1 468.0	0.10		146.8		146.8	32.6	114.2
NORDEGG C & BANFF D	374.0	0.10		37.4		37.4	8.1	29.3
BANFF A	150.0	<0.01		0.1		0.1		0.1
TONY CREEK NORTH 064-21W5								
VIKING A	419.0	0.10		41.9		41.9	0.4	41.5
CADOMIN A	265.0	0.03		8.0		8.0	4.6	3.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	8.00	0.105	0.35	0.77	145	825	63	17 488	2 263.9	1984	86 04 - SUSP 87 07
64	9.60	0.070	0.20	0.78	145	825	63	16 576	2 194.3	1985	86 02
64	5.00	0.090	0.30	0.77	88	860	74	16 799	2 354.9	1986	87 01 - ABAND 87 03
987	6.16	0.056	0.15	0.56	262	792	79	24 340	2 881.9	1962	83 12 - GPP
128	14.64	0.068	0.20	0.77	128	770	85	18 114	2 987.3	1986	89 01 - SUSP 87 05
64	25.00	0.075	0.15	0.77	170	800	88	18 478	3 009.1	1986	87 04
64	50.50	0.050	0.24	0.79	78	839	62	18 804	1 783.5	1981	83 04
64	6.00	0.040	0.30	0.79	80	839	55	18 591	1 763.5	1982	82 10 - SUSP 87 02
64	21.30	0.030	0.24	0.79	75	839	68	16 360	1 783.5	1982	83 04
128	9.12	0.026	0.50	0.83	62	845	60	16 460	1 766.3	1983	87 08
64	67.80	0.050	0.21	0.79	82	839	56	18 579	1 781.9	1983	83 11
64	28.17	0.057	0.32	0.79	80	855	58	18 949	1 830.9	1983	88 02
64	42.50	0.025	0.30	0.79	84	843	58	18 520	1 773.0	1983	84 01 - ABAND 87 11
128	54.04	0.039	0.20	0.81	84	843	59	18 976	1 796.7	1983	88 03
64	45.00	0.030	0.40	0.83	67	823	62	18 334	1 774.0	1983	84 11
64	59.20	0.014	0.37	0.79	62	130	36	18 423	1 769.2	1988	88 11
64	44.37	0.040	0.18	0.79	62	823	58	19 580	1 882.5	1984	86 12
64	28.50	0.030	0.31	0.79	80	843	58	16 900	1 776.5	1984	84 12
64	46.20	0.040	0.28	0.79	80	843	59	17 713	1 761.9	1984	84 12
64	17.40	0.040	0.26	0.79	88	903	54	18 972	1 799.3	1984	88 12 - SUSP 85 01
64	31.70	0.030	0.27	0.79	78	840	60	18 262	1 802.9	1984	85 02
64	66.40	0.040	0.44	0.79	72	827	64	12 639	1 787.8	1984	85 02
64	21.40	0.035	0.22	0.83	62	855	60	18 979	1 813.8	1984	85 04
64	30.98	0.053	0.20	0.79	78	827	59	17 794	1 804.9	1984	87 12
64	19.70	0.030	0.40	0.83	62	857	58	18 445	1 783.1	1984	85 05 - SUSP 86 09
64	89.50	0.024	0.40	0.83	62	843	60	17 716	1 775.9	1985	85 09 - ABAND 85 10
64	81.50	0.025	0.35	0.83	62	843	60	17 728	1 782.5	1985	85 09
128	41.60	0.050	0.21	0.83	62	843	60	18 217	1 802.5	1985	88 07
64	7.50	0.040	0.40	0.83	62	843	60	5 921	1 775.5	1985	85 11 - SUSP 86 11
64	30.70	0.010	0.50	0.81	77	843	59	17 738	1 783.7	1985	86 03
64	21.90	0.045	0.22	0.83	62	843	60	16 688	1 776.4	1986	87 08
64	100.10	0.050	0.24	0.81	77	847	60	17 186	1 827.5	1987	87 12
64	59.10	0.042	0.19	0.81	77	858	59	17 270	1 820.0	1987	88 04
448	17.69	0.120	0.29	0.77	86	849	54	11 990	1 489.9	1979	87 04
64	6.79	0.180	0.17	0.77				12 222	1 450.3	1973	88 03 - GPP
128	7.24	0.148	0.29	0.71	110	868	60	12 415	1 546.8	1984	88 06 - SUSP 85 03
64	12.90	0.133	0.15	0.90	95	866	62	11 654	1 360.3	1985	85 12
64	1.54	0.152	0.30	0.75	110	866	53	12 145	1 511.0	1981	82 06 - SUSP 84 01
65	5.58	0.037	0.40	0.82	71	860	66	11 720	1 794.1	1953	73 02 - SUSP 72 01
256	7.76	0.060	0.24	0.83	63	774	64	11 524	1 856.3	1987	88 04
64	4.70	0.050	0.22	0.70	130	841	65	17 135	2 150.0	1984	84 11
64	9.50	0.080	0.25	0.53	291	763	62	17 106	2 233.5	1981	88 12 - SUSP 85 02
904	3.50	0.150	0.33	0.88	50	827	40	5 951	1 175.8	1980	85 09
64	9.80	0.150	0.42	0.88	52	865	35	5 462	1 184.3	1981	85 12
64	3.70	0.170	0.30	0.88	36	876	43	6 072	1 197.0	1983	83 07 - ABAND 83 05
64	4.10	0.170	0.30	0.88	36	815	43	5 081	1 160.0	1983	83 07 - ABAND 83 09
64	10.20	0.140	0.45	0.88	36	815	43	4 832	1 188.7	1983	84 05
64	13.00	0.120	0.30	0.70	155	897	70	27 500	1 997.8	1981	82 02 - ABAND 82 09
64	5.20	0.110	0.20	0.78	85	890	70	15 480	2 055.5	1982	84 12
32	6.00	0.150	0.43	0.86	58	978	52	15 989	1 707.0	1979	80 02
277	4.93	0.180	0.34	0.77	115	887	53	15 112	1 651.8	1981	87 12
128	12.20	0.165	0.33	0.85	40	945	51	15 079	1 608.3	1984	87 04 - GPP
48	6.17	0.190	0.20	0.83	60	950	51		1 430.9	1987	88 04
64	5.00	0.090	0.40	0.87	100	885	50	15 842	1 619.3	1985	86 01 - ABAND 87 05
64	10.00	0.130	0.40	0.84	70	844	47	1 078	1 572.9	1984	84 11
64	6.16	0.120	0.30	0.80	74	887	82	14 780	1 880.3	1977	85 12 - GPP

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
TRAVERS 013-21W4								
BOW ISLAND A	131.0	0.10		13.1		13.1	1.1	12.0
TROCHU 033-22W4								
BASAL QUARTZ A	922.0	0.05		46.1		46.1	27.9	18.2
BASAL QUARTZ B	762.0	0.03		22.9		22.9	6.7	16.2
TROUT 090-03W5								
KEG RIVER A	1 890.0	0.17		320.0		320.0	135.0	185.0
KEG RIVER C	42.9	0.35		15.0		15.0	5.8	9.2
KEG RIVER D	70.7	0.35		24.7		24.7	0.4	24.3
KEG RIVER E	103.0	0.10		10.3		10.3	1.4	8.9
KEG RIVER F	80.8	0.25		20.2		20.2		20.2
KEG RIVER G	144.0	0.35		50.4		50.4	0.4	50.0
KEG RIVER H	132.0	<0.01		0.1		0.1		0.1
KEG RIVER J	137.5	0.20		27.5		27.5	5.7	21.8
KEG RIVER K	566.0	0.35		198.0		198.0	28.5	169.5
KEG RIVER N	2 019.0	0.25		505.0		505.0	52.1	452.9
KEG RIVER O	217.0	0.30		65.1		65.1	3.4	61.7
KEG RIVER P	267.0	0.30		80.1		80.1	8.0	72.1
KEG RIVER S	92.7	0.20		18.5		18.5	3.6	14.9
KEG RIVER U	245.0	0.25		61.3		61.3	1.0	60.3
KEG RIVER V	69.3	0.25		17.3		17.3		17.3
KEG RIVER X	71.2	0.25		17.8		17.8	0.1	17.7
KEG RIVER GRANITE WASH A	1 523.0	0.35		533.0		533.0	74.2	458.8
KEG RIVER GRANITE WASH B	1 470.0	0.35		515.0		515.0	98.1	416.9
TURIN 010-18W4								
UPPER MANNVILLE B	235.0	0.10		23.5		23.5	14.2	9.3
UPPER MANNVILLE H WATER FLOOD	2 400.0	0.25	0.10	600.0	234.0	840.0	283.3	556.7
UPPER MANNVILLE I	56.2	0.10		5.6		5.6	0.6	5.0
UPPER MANNVILLE L	51.5	0.10		5.2		5.2	3.5	1.7
LOWER MANNVILLE B	780.0	0.01		7.8		7.8	2.9	4.9
LOWER MANNVILLE G	73.1	<0.05		3.1		3.1	3.1	
LOWER MANNVILLE H	544.0	0.05		27.2		27.2	3.2	24.0
LOWER MANNVILLE O	92.6	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE V	483.0	0.10		48.3		48.3	30.2	18.1
LOWER MANNVILLE W	246.0	0.10		24.6		24.6	11.3	13.3
LOWER MANNVILLE CC	799.0	0.10		79.9		79.9	33.3	46.6
LOWER MANNVILLE DD	224.0	0.10		22.4		22.4	16.3	6.1
LOWER MANNVILLE HH	89.0	0.10		8.9		8.9	1.4	7.5
LOWER MANNVILLE II	3 310.0	0.15		497.0		497.0	90.0	407.0
LOWER MANNVILLE JJ	77.1	0.15		11.6		11.6	8.8	2.8
LOWER MANNVILLE KK	70.2	0.10		7.0		7.0	0.2	6.8
LOWER MANNVILLE LL	348.0	0.10		34.8		34.8	10.1	24.7
LOWER MANNVILLE MM	75.5	0.20		15.1		15.1	8.8	6.3
LOWER MANNVILLE OO	48.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE PP	57.4	0.10		5.7		5.7	3.5	2.2
LOWER MANNVILLE QQ	257.0	0.10		25.7		25.7	0.7	25.0
LOWER MANNVILLE RR	57.0	0.15		8.6		8.6	4.5	4.1
LOWER MANNVILLE SS	86.5	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE UU	184.0	0.10		18.4		18.4	10.1	8.3
LOWER MANNVILLE WW	109.0	0.10		10.9		10.9	0.8	10.1
LOWER MANNVILLE EE,FF & GG	667.0	0.15		100.0		100.0	60.1	39.9
LOWER MANNVILLE AAA	133.0	0.10		13.3		13.3	11.5	1.8
LOWER MANNVILLE BBB	840.0	0.15		126.0		126.0	26.9	99.1
LOWER MANNVILLE CCC	102.0	0.10		10.2		10.2	0.2	10.0
LOWER MANNVILLE DDD	67.7	0.10		6.8		6.8	2.3	4.5
LOWER MANNVILLE EEE	189.0	0.10		18.9		18.9	0.8	18.1
LOWER MANNVILLE FFF	81.0	0.10		8.1		8.1	0.1	8.0
LOWER MANNVILLE GGG	165.0	0.05		8.3		8.3	5.0	3.3
TURNER VALLEY 020-03W5								
BLAIRMORE C	90.3	<0.02		1.8		1.8	1.8	
BLAIRMORE A & B	815.0	<0.01		5.3		5.3	5.3	
RUNDLE WATER FLOOD	159 000.0	0.12	0.02	19 100.0	3 180.0	22 300.0	22 159.7	140.3
RUNDLE B	355.0	0.03		10.7		10.7	2.6	8.1
SHALLOW	715.0	0.12		85.8		85.8	64.4	21.4

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	1.80	0.160	0.20	0.89	70	882	32	7 503	1 057.3	1977	87 12
64	15.41	0.200	0.45	0.85	60	873	52	8 833	1 479.4	1970	78 12 - GPP
128	6.83	0.180	0.43	0.85	52	873	49	8 786	1 520.0	1982	85 12
1 377	2.54	0.088	0.34	0.93	23	835	39	6 922	1 358.8	1984	88 06
64	2.00	0.060	0.40	0.93	38	834	39	13 840	1 463.0	1985	86 07
64	3.04	0.071	0.45	0.93	38	827	39	13 784	1 443.6	1985	87 01 - SUSP 87 05
64	3.00	0.090	0.36	0.93	38	833	39	13 819	1 479.6	1985	87 12
64	2.42	0.092	0.39	0.93	23	832	39	12 865	1 291.8	1986	86 09 - SUSP 87 05
64	4.00	0.090	0.33	0.93	23	847	39	14 035	1 470.2	1986	86 09 - SUSP 86 10
64	3.10	0.115	0.38	0.93	23	843	39	13 593	1 426.9	1985	88 12 - SUSP 86 03
64	5.00	0.066	0.30	0.93	23	835	39	13 901	1 485.4	1987	87 08
128	7.05	0.095	0.29	0.93	23	830	39	13 859	1 431.5	1987	87 09
384	8.78	0.087	0.26	0.93	23	835	39	13 881	1 453.0	1987	88 12
64	8.26	0.079	0.44	0.93	23	842	39	13 868	1 450.9	1987	88 01
64	7.50	0.082	0.27	0.93	23	830	39	14 173	1 481.8	1987	88 02
64	3.95	0.068	0.42	0.93	23	41	39	14 018	1 455.0	1987	88 05
64	6.30	0.096	0.32	0.93	23	835	39	13 890	1 457.7	1987	88 06
64	3.60	0.049	0.34	0.93	23	823	39	13 108	1 488.2	1987	88 07
64	4.60	0.065	0.60	0.93	23	840	39	13 172	1 423.7	1986	86 07
256	14.00	0.070	0.34	0.92	23	831	39	14 687	1 506.5	1987	88 09
515	5.93	0.075	0.31	0.93	23	834	39	13 724	1 461.4	1987	88 10
64	3.69	0.180	0.35	0.85	63	904	31	11 360	1 082.3	1973	87 12 - GPP
400	5.36	0.200	0.35	0.86	68	869	31	11 221	1 013.0	1980	88 04
32	1.80	0.180	0.37	0.86	70	869	31	10 467	999.1	1983	82 12 - GPP
64	0.90	0.160	0.35	0.86	68	831	31	10 768	1 023.0	1983	83 04
387	1.80	0.190	0.32	0.85	62	881	36	11 480	1 062.2	1961	83 12
64	1.52	0.160	0.45	0.85	33	876	66	11 620	1 068.9	1961	82 12 - SUSP 76 09
128	3.58	0.200	0.31	0.86	85	881	38	11 270	1 054.6	1974	88 08
64	2.16	0.120	0.35	0.86	59	898	34	11 300	1 047.0	1976	79 02 - SUSP 78 10
256	1.98	0.160	0.30	0.85	110	880	37	11 681	1 100.8	1980	83 12 - GPP
64	3.30	0.190	0.28	0.85	66	874	31	11 464	1 096.8	1979	88 12
456	1.32	0.218	0.30	0.87	60	871	31	11 186	1 014.8	1980	85 07 - GPP
121	1.50	0.200	0.30	0.88	45	866	49	11 175	1 015.0	1982	85 12 - GPP
64	1.50	0.180	0.40	0.86	62	887	32	11 321	1 052.2	1974	83 06
917	3.18	0.200	0.30	0.81	87	887	35	11 394	1 060.3	1973	87 02
64	1.00	0.200	0.30	0.86	62	887	32	11 249	1 102.5	1983	86 12
64	1.70	0.150	0.50	0.86	62	887	32	10 391	1 092.2	1983	84 03 - SUSP 87 05
64	5.40	0.180	0.31	0.81	86	817	35	11 508	1 073.2	1983	84 07
128	0.70	0.140	0.30	0.86	62	887	32	11 588	1 089.2	1984	87 12
32	2.00	0.120	0.30	0.90	38	892	32	11 076	1 005.7	1984	84 11 - ABAND 87 05
16	2.00	0.240	0.17	0.90	38	892	32	11 018	999.0	1984	84 11
64	2.50	0.220	0.15	0.86	62	887	32	11 202	1 090.8	1985	85 06
64	0.92	0.150	0.25	0.86	62	887	32	9 896	1 010.3	1984	87 12
32	2.00	0.190	0.21	0.90	38	892	32	11 058	1 006.0	1985	85 08 - ABAND 86 03
64	2.20	0.210	0.23	0.81	86	888	35	10 975	1 105.3	1985	85 09
64	1.50	0.200	0.30	0.81	86	817	32	11 194	1 089.2	1985	86 01
128	3.63	0.190	0.16	0.90	68	889	30	11 036	1 015.0	1982	88 08 - GPP
64	1.96	0.190	0.38	0.90	38	892	32	11 125	1 067.7	1982	86 04
369	3.08	0.160	0.43	0.81	86	890	35	11 093	1 074.8	1983	88 12
64	1.30	0.190	0.28	0.90	38	892	37	11 752	1 013.2	1985	86 08
64	1.20	0.160	0.32	0.81	86	890	34	11 296	1 098.4	1985	86 08
64	2.80	0.210	0.38	0.81	86	890	31	9 206	1 051.0	1985	86 11
64	2.10	0.143	0.48	0.81	86	890	35	11 701	1 013.2	1986	86 11
64	2.10	0.220	0.31	0.81	87	887	35	11 478	1 060.3	1983	87 02 - GPP
65	2.44	0.110	0.20	0.65		784	56	12 800	1 545.3	1976	82 12 - SUSP 85 07
65	16.76	0.117	0.12	0.73	83	806	52	5 420	1 363.4	1975	88 12 - SUSP 86 02
6 763	47.55	0.082	0.10	0.67	148	825	60	19 130	2 557.0	1936	83 12 - GPP
64	28.50	0.044	0.34	0.67	146	824	66	26 897	3 103.9	1981	85 12 - GPP
							41		1 460.0	1910	68 07 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 ENHANCED 10³m³	6 TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
TWINING 031-24W4								
UPPER MANNVILLE B	143.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE H	1 000.0	0.20		200.0		200.0	61.3	138.7
GLAUCONITIC A	101.0	0.10		10.1		10.1	1.3	8.8
GLAUCONITIC B	75.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B WATER FLOOD	1 810.0	0.05	0.15	90.0	272.0	362.0	274.1	87.9
LOWER MANNVILLE C	249.0	0.10		24.9		24.9	6.2	18.7
LOWER MANNVILLE F	100.0	0.11		11.0		11.0	9.2	1.8
LOWER MANNVILLE G	236.0	0.10		23.6		23.6	17.7	5.9
LOWER MANNVILLE H	194.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE J	295.0	0.10		29.5		29.5	20.6	8.9
LOWER MANNVILLE M	95.9	0.03		2.9		2.9	2.8	0.1
LOWER MANNVILLE N	215.0	0.10		21.5		21.5	6.2	15.3
LOWER MANNVILLE O	323.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE P	164.0	<0.18		29.2		29.2	29.2	
LOWER MANNVILLE Q	209.0	0.10		20.9		20.9	2.5	18.4
LOWER MANNVILLE U	65.0	0.10		6.5		6.5		6.5
RUNDLE A & LOWER MANNVILLE A	144 800.0	0.05		7 240.0		7 240.0	4 495.1	2 744.9
UTIKUMA LAKE 081-09W5								
SLAVE POINT A	197.0	0.10		19.7		19.7	6.8	12.9
SLAVE POINT B	67.1	0.05		3.4		3.4	1.0	2.4
SLAVE POINT C	128.0	0.05		6.4		6.4	2.3	4.1
SLAVE POINT D	184.0	0.05		9.2		9.2	3.0	6.2
SLAVE POINT E	106.0	0.25		26.5		26.5	4.7	21.8
SLAVE POINT F	105.0	<0.01		1.0		1.0		1.0
SLAVE POINT G	111.0	0.25		27.8		27.8	0.9	26.9
SLAVE POINT H	214.0	0.25		53.5		53.5	15.1	38.4
SLAVE POINT I	73.6	0.20		14.7		14.7	4.7	10.0
GILWOOD D TOTAL	838.0			186.0	37.0	223.0	100.7	122.3
PRIMARY AREA	438.0	0.15		65.7		65.7		
WATER FLOOD AREA	400.0	0.30	0.10	120.0	37.0	157.0		
GILWOOD E	84.3	0.20		16.9		16.9	0.6	16.3
KEG RIVER SANDSTONE A	17 000.0	0.45		7 650.0		7 650.0	5 863.1	1 786.9
KEG RIVER SANDSTONE H	256.0	0.35		89.6		89.6	58.9	30.7
KEG RIVER SANDSTONE I	824.0	0.35		288.0		288.0	190.5	97.5
KEG RIVER SANDSTONE K	620.0	0.35		217.0		217.0	143.2	73.8
KEG RIVER SANDSTONE M	1 520.0	0.25		380.0		380.0	181.6	198.4
KEG RIVER SANDSTONE N	3 330.0	0.45		1 500.0		1 500.0	933.8	566.2
KEG RIVER SANDSTONE O	440.0	0.10		44.0		44.0	18.1	25.9
KEG RIVER SANDSTONE P	296.0	0.05		14.8		14.8	11.6	3.2
KEG RIVER SANDSTONE R	125.0	0.35		43.8		43.8	35.1	8.7
KEG RIVER SANDSTONE S	365.0	0.35		128.0		128.0	52.2	75.8
KEG RIVER SANDSTONE T	459.0	0.25		115.0		115.0	41.0	74.0
KEG RIVER SANDSTONE U	2 350.0	0.25		588.0		588.0	135.3	452.7
KEG RIVER SANDSTONE V	222.0	0.25		55.5		55.5	24.2	31.3
KEG RIVER SANDSTONE W	58.7	0.30		17.6		17.6	11.9	5.7
KEG RIVER SANDSTONE X	250.0	0.25		62.5		62.5	35.1	27.4
KEG RIVER SANDSTONE Y	149.0	0.30		44.7		44.7	13.0	31.7
KEG RIVER SANDSTONE Z	274.0	0.30		82.2		82.2	37.0	45.2
KEG RIVER SANDSTONE AA	116.0	0.10		11.6		11.6	6.8	4.8
KEG RIVER SANDSTONE BB	318.0	0.25		79.5		79.5	38.9	40.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.46	0.170	0.35	0.82	80	839	36	10 300	1 577.0	1975	77 05 - ABAND 77 05
112	8.05	0.180	0.23	0.80	51	887	42	10 179	1 601.8	1979	88 11
64	2.50	0.150	0.50	0.84	50	895	49	10 953	1 658.8	1981	82 05 - GPP
64	1.80	0.140	0.45	0.85	54	895	41	10 610	1 620.0	1973	82 08 - SUSP 82 08
1 376	1.67	0.137	0.28	0.80	79	876	52	11 720	1 581.6	1960	87 07 - GPP
65	3.35	0.180	0.22	0.82	53	887	59	10 000	1 586.8	1970	77 11 - GPP
125	1.03	0.150	0.35	0.80	85	869	57	10 980	1 630.6	1977	84 02 - GPP
64	4.00	0.150	0.25	0.82	78	886	53	11 530	1 597.5	1980	80 09
64	2.40	0.220	0.30	0.82	78	875	50	11 157	1 626.7	1973	83 12 - SUSP 83 05
128	3.11	0.140	0.34	0.80	80	873	50	10 644	1 532.6	1965	85 12
64	1.53	0.170	0.28	0.80	79	876	52	11 707	1 581.6	1977	87 07 - GPP
64	2.80	0.200	0.25	0.80	74	883	50	9 623	1 581.3	1980	81 08 - GPP
64	5.00	0.180	0.30	0.80	51	887	42	17 804	1 601.8	1979	88 11 - SUSP 86 01
64	2.15	0.200	0.30	0.85	66	865	61	9 616	1 513.0	1961	86 03 - ABAND 87 01
64	5.50	0.120	0.43	0.87	47	863	62	9 634	1 521.2	1983	83 10 - GPP
48	1.47	0.150	0.26	0.83	74	875	50	9 976	1 619.8	1987	88 06
31 053	12.56	0.063	0.29	0.83	66	876	61	11 410	1 650.5	1952	87 07 - GPP
64	6.50	0.080	0.35	0.91	28	843	49	12 498	1 639.0	1982	86 12
64	2.40	0.080	0.40	0.91	27	843	50	14 259	1 632.6	1983	86 12 - SUSP 87 05
64	6.10	0.060	0.40	0.91	28	843	48	9 347	1 631.9	1983	86 12
64	7.60	0.064	0.35	0.91	28	843	49	15 131	1 635.9	1983	86 12
64	4.00	0.070	0.35	0.91	27	840	51	16 517	1 646.6	1984	84 10
64	4.50	0.080	0.50	0.91	27	848	51	16 916	1 672.9	1984	84 11 - SUSP 84 08
64	4.00	0.070	0.32	0.91	27	848	51	16 590	1 672.9	1984	84 11 - SUSP 88 06
64	9.30	0.060	0.31	0.87	46	840	43	16 142	1 646.6	1984	86 03
64	4.20	0.050	0.34	0.83	67	837	43	15 732	1 642.8	1983	84 11
576					71	819	49	17 530	1 726.7	1966	86 03
320	1.89	0.130	0.31	0.83							
256	2.73	0.106	0.35	0.83							
64	1.24	0.160	0.20	0.83	62	830	48	13 967	1 692.9	1977	84 12 - SUSP 87 03
4 207	3.60	0.186	0.29	0.85	65	820	49	18 270	1 727.4	1963	85 10
84	2.70	0.190	0.30	0.85	65	825	49	15 510	1 755.3	1977	81 11
128	6.13	0.190	0.35	0.85	65	820	49	14 982	1 761.7	1977	81 11
139	4.25	0.180	0.30	0.85	65	839	52	15 630	1 760.9	1977	81 11
448	3.14	0.187	0.32	0.85	65	825	52	11 580	1 726.6	1973	86 10
640	4.96	0.190	0.35	0.85	65	820	49	11 584	1 737.7	1976	86 12
128	3.50	0.175	0.34	0.85	65	810	49	15 620	1 754.8	1979	85 12 - GPP
64	5.29	0.145	0.29	0.85	65	824	48	16 737	1 729.9	1979	86 12
64	1.91	0.170	0.29	0.85	65	825	43	13 957	1 740.3	1979	81 11
128	2.74	0.180	0.32	0.85	59	820	45	15 062	1 715.2	1980	82 05
64	7.09	0.170	0.30	0.85	65		49	13 732	1 739.2	1981	81 09
320	7.16	0.180	0.33	0.85	58	827	50	15 910	1 740.0	1980	83 03
64	3.20	0.180	0.29	0.85	65	825	49	16 396	1 742.6	1979	79 10
64	0.76	0.200	0.29	0.85	65	824	60	15 323	1 731.8	1982	83 01
64	4.50	0.170	0.40	0.85	65	822	49	15 450	1 736.7	1982	83 04
64	2.80	0.140	0.30	0.85	60	845	49	14 234	1 731.8	1983	83 05
64	4.00	0.180	0.30	0.85	55	823	50	15 011	1 731.0	1983	83 08
64	1.60	0.190	0.30	0.85	57	820	44	12 633	1 746.7	1983	86 12
64	4.30	0.200	0.32	0.85	50	843	61	14 854	1 739.5	1983	83 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
UTIKUMA LAKE 081-09W5 (CONTINUED)								
KEG RIVER SANDSTONE CC	157.0	0.25		39.3		39.3	13.9	25.4
KEG RIVER SANDSTONE DD	470.0	0.30		141.0		141.0	34.5	106.5
KEG RIVER SANDSTONE EE	670.0	0.30		201.0		201.0	43.9	157.1
KEG RIVER SANDSTONE FF	252.0	0.35		88.2		88.2	16.9	71.3
KEG RIVER SANDSTONE GG	39.5	<0.01		0.1		0.1	0.1	
KEG RIVER SANDSTONE HH	67.9	<0.03		1.4		1.4	1.4	
VALHALLA 075-10W6								
DOE CREEK I TOTAL	31 260.0			2 815.0	3 088.0	5 903.0	1 171.8	4 731.2
PRIMARY AREA	18 500.0	0.09		1 665.0		1 665.0		
WATER FLOOD AREA	12 760.0	0.09	0.21	1 150.0	3 088.0	4 238.0		
DOE CREEK K	336.0	0.10		33.6		33.6	11.7	21.9
DOE CREEK L	924.0	0.10		92.4		92.4	11.7	80.7
DOE CREEK M	681.0	0.10		68.1		68.1	9.1	59.0
DOE CREEK N	64.4	0.10		6.4		6.4	4.3	2.1
DOE CREEK O	144.0	0.10		14.4		14.4	0.7	13.7
GETHING C	68.6	<0.02		0.9		0.9	0.9	
CHARLIE LAKE C	44.7	0.20		8.9		8.9	5.0	3.9
CHARLIE LAKE D	103.0	0.10		10.3		10.3	3.7	6.6
CHARLIE LAKE H	3 076.0	0.15		461.0		461.0	66.0	395.0
CHARLIE LAKE I	322.0	0.10		32.2		32.2	8.4	23.8
CHARLIE LAKE J	138.0	0.15		20.7		20.7	4.8	15.9
CHARLIE LAKE K	94.5	0.20		18.9		18.9	10.3	8.6
CHARLIE LAKE L	120.0	0.15		18.0		18.0	3.8	14.2
CHARLIE LAKE M	326.0	0.10		32.6		32.6	3.6	29.0
BOUNDARY B	2 170.0	0.10		217.0		217.0	102.4	114.6
BOUNDARY D	369.0	0.15		55.4		55.4	37.5	17.9
BOUNDARY F	83.5	0.15		12.5		12.5	1.2	11.3
BOUNDARY H	330.0	0.05		16.5		16.5	11.0	5.5
BOUNDARY I	415.0	0.15		62.3		62.3	29.1	33.2
BOUNDARY J	138.0	0.15		20.7		20.7	5.3	15.4
BOUNDARY K	34.5	0.15		5.2		5.2	0.4	4.8
BOUNDARY A & CHARLIE LAKE A	167.0	0.15		25.0		25.0	15.2	9.8
HALFWAY C	2 300.0	0.20		460.0		460.0	176.7	283.3
DOIG A	871.0	0.01		8.7		8.7	5.3	3.4
DOIG B	1 014.0	0.10		101.0		101.0	13.2	87.8
VAUXHALL 012-17W4								
LOWER MANNVILLE A	57.8	<0.01		0.1		0.1	0.1	
VEGA 061-03W5								
VIKING B	138.0	<0.01		0.2		0.2	0.2	
VIKING C	109.0	<0.01		0.5		0.5	0.5	
VERGER 022-15W4								
UPPER MANNVILLE F	182.0	0.10		18.2		18.2	4.8	13.4
VIRGINIA HILLS 065-13W5								
GETHING A	132.0	0.15		19.8		19.8	9.5	10.3
BELLOY A TOTAL	10 200.0			2 290.0	1 520.0	3 810.0	2 393.2	1 416.8
PRIMARY AREA	122.0	0.10		12.2		12.2		
WATER FLOOD AREA	10 100.0	<0.23	0.15	2 280.0	1 520.0	3 800.0		
BELLOY B	67.0	<0.01		0.1		0.1	0.1	
BEAVERHILL LAKE TOTAL	76 240.0			17 410.0	8 000.0	25 410.0	21 107.0	4 303.0
PRIMARY AREA	2 639.0	0.23		607.0		607.0		
WATER FLOOD AREA	73 600.0	<0.23	0.11	16 800.0	8 000.0	24 800.0		
BEAVERHILL LAKE B	30.4	<0.01		0.1		0.1		0.1
BEAVERHILL LAKE C	106.0	0.15		15.9		15.9	2.5	13.4
BEAVERHILL LAKE D	119.0	0.15		17.9		17.9	0.6	17.3
VIRGO 115-06W6								
SULPHUR POINT E	35.0	<0.02		0.6		0.6	0.6	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.00	0.200	0.28	0.85	55	843	50	14 443	1 736.0	1983	84 02
128	3.26	0.210	0.33	0.80	78	40	50	14 064	1 727.9	1987	88 05
192	3.21	0.193	0.33	0.84	67	830	41	17 022	1 732.4	1978	87 04
64	3.28	0.199	0.29	0.85	65	820	49	11 708	1 725.8	1984	84 12
64	1.20	0.110	0.45	0.85	65	844	52	12 612	1 744.2	1984	85 05 - ABAND 85 11
64	3.20	0.060	0.35	0.85	55	825	45	15 253	1 749.0	1980	83 09 - ABAND 87 11
8 952					19	858	29	3 807	702.2	1977	86 08
6 108	2.87	0.220	0.49	0.94							
2 844	4.15	0.230	0.50	0.94							
128	2.15	0.240	0.44	0.91	22	845	28	4 000	722.0	1984	87 03
256	3.26	0.200	0.37	0.88	49	840	24	5 130	711.0	1984	88 03
256	2.15	0.200	0.35	0.95	18	834	24	4 645	643.5	1985	88 03
64	1.00	0.176	0.35	0.88	43	840	27	4 681	553.5	1983	87 12
64	2.10	0.200	0.43	0.94	22	840	29	3 255	717.5	1987	88 04
64	2.00	0.130	0.45	0.75	100	847	60	14 100	1 642.8	1983	86 02 - ABAND 88 01
80	0.80	0.120	0.18	0.71	125	836	58	18 958	2 004.1	1984	87 12
64	2.00	0.120	0.14	0.78	80	817	64	18 995	1 958.2	1984	84 12
1 420	3.16	0.106	0.16	0.77	100	800	73	17 571	1 980.4	1984	88 08
64	3.70	0.200	0.15	0.80	70	836	75	17 990	2 009.2	1982	86 02
64	2.00	0.180	0.20	0.75	100	840	68	18 924	2 103.8	1986	86 10
80	1.60	0.120	0.18	0.75	100	865	60	18 186	1 912.8	1984	87 12
64	3.50	0.093	0.28	0.80	100	829	73	18 921	1 950.5	1986	87 02
64	4.40	0.165	0.10	0.78	145	839	73		2 020.2	1986	86 12
1 070	1.81	0.180	0.17	0.75	164	32	73	19 723	2 019.2	1973	87 12
256	2.11	0.110	0.15	0.73	150	816	80	18 518	1 961.1	1984	85 03
64	2.30	0.090	0.10	0.70	125	820	73	16 979	1 976.0	1983	86 02 - SUSP 86 10
256	1.24	0.175	0.11	0.67	164	812	73	19 050	1 981.5	1985	88 01
384	1.48	0.125	0.13	0.67	164	840	73	19 912	1 913.7	1986	87 05
128	2.24	0.112	0.36	0.67	164	820	73	18 234	2 081.2	1979	88 12
64	1.00	0.120	0.33	0.67	164	12	73	17 440	2 152.5	1985	87 08
116	2.81	0.090	0.22	0.73	149	835	72	17 570	1 978.8	1981	86 12
750	5.00	0.140	0.26	0.59	145	785	73	19 632	1 953.7	1980	87 07
64	24.80	0.106	0.25	0.69	120	815	73	19 664	2 006.0	1983	87 12
192	19.46	0.078	0.13	0.40	416	816	73	21 880	2 021.0	1984	88 04
64	1.00	0.150	0.30	0.86	64	895	30	11 069	1 027.9	1980	83 01 - SUSP 83 08
64	2.00	0.210	0.41	0.87	57	849	32	5 150	833.0	1980	85 12 - SUSP 84 04
64	1.50	0.190	0.31	0.87	58	846	30	5 045	810.0	1980	82 03 - SUSP 84 04
64	4.20	0.140	0.45	0.88	47	861	35	9 373	1 073.2	1982	82 12
64	2.00	0.170	0.23	0.79	100	852	64	12 322	1 691.3	1983	84 01
1 948								13 434	1 850.4	1961	82 09
64	3.39	0.100	0.33	0.84							
1 884	5.32	0.174	0.31	0.84							
64	2.35	0.074	0.30	0.86	53	884	69	11 390	1 826.0	1978	88 12 - SUSP 82 03
13 098					88	834	102	25 510	2 830.4	1957	88 12
2 176	3.00	0.070	0.25	0.77							
10 922	12.40	0.086	0.18	0.77							
64	1.62	0.073	0.45	0.73	97	852	99	13 438	2 752.8	1983	88 12 - ABAND 84 07
64	4.80	0.070	0.35	0.76	80	847	103	10 904	2 855.2	1983	86 12
64	7.81	0.052	0.40	0.76	76	837	105	24 047	2 975.0	1987	87 05
16	4.90	0.070	0.25	0.85	62	860	50	13 646	1 372.4	1977	88 12 - SUSP 86 03

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
VIRGO 115-06W6 (CONTINUED)								
SULPHUR POINT A & KEG RIVER MM	249.0	0.45		112.0		112.0	101.2	10.8
MUSKEG A	334.0	0.20		66.7		66.7	60.3	6.4
MUSKEG B	118.0	0.30		35.4		35.4	20.9	14.5
MUSKEG C	160.0	<0.21		33.1		33.1	33.1	
MUSKEG E	59.6	<0.20		11.6		11.6	11.6	
MUSKEG G	191.0	0.25		47.7		47.7	30.3	17.4
MUSKEG I	207.0	0.25		51.8		51.8	41.2	10.6
MUSKEG J	175.0	0.20		35.0		35.0	20.3	14.7
MUSKEG K	440.0	<0.01		0.9		0.9	0.9	
MUSKEG L	159.0	<0.07		11.8		11.8	11.8	
MUSKEG M	173.0	<0.03		4.1		4.1	4.1	
MUSKEG O	462.0	0.15		69.3		69.3	22.7	46.6
MUSKEG Q	943.0	0.05		47.2		47.2	4.3	42.9
MUSKEG R	601.0	<0.01		5.0		5.0	5.0	
MUSKEG S	144.0	<0.01		0.5		0.5	0.5	
MUSKEG T	139.0	<0.01		0.5		0.5	0.5	
MUSKEG U	174.0	0.30		52.2		52.2	1.3	50.9
MUSKEG D & KEG RIVER L	429.0	<0.18		76.4		76.4	76.4	
MUSKEG P & KEG RIVER R3R	185.0	<0.01		0.9		0.9	0.9	
KEG RIVER A	222.0	0.30		66.7		66.7	45.0	21.7
KEG RIVER B WATER FLOOD	397.0	0.32	0.09	127.0	35.7	163.0	124.3	38.7
KEG RIVER C	139.0	0.40		55.8		55.8	49.6	6.2
KEG RIVER D	540.0	<0.14		72.5		72.5	72.5	
KEG RIVER E	620.0	0.33		205.0	ERSO	205.0	205.0	
KEG RIVER F	159.0	0.20		31.8		31.8	23.6	8.2
KEG RIVER G	461.0	0.20		92.2		92.2	72.9	19.3
KEG RIVER H	636.0	0.26		165.0		165.0	132.9	32.1
KEG RIVER I WATER FLOOD	359.0	0.35	0.13	126.0	46.7	173.0	122.3	50.7
KEG RIVER J	159.0	0.38		60.4		60.4	56.8	3.6
KEG RIVER K	221.0	0.52		115.0		115.0	99.0	16.0
KEG RIVER M	130.0	0.25		32.5		32.5	29.2	3.3
KEG RIVER N	159.0	0.35		55.7		55.7	39.7	16.0
KEG RIVER O WATER FLOOD	159.0	0.38	0.06	60.4	9.5	70.0	39.9	30.1
KEG RIVER P WATER FLOOD	350.0	0.10	0.26	35.0	91.0	126.0	33.8	92.2
KEG RIVER Q	477.0	0.40		191.0		191.0	56.8	134.2
KEG RIVER R WATER FLOOD	331.0	0.36	0.05	136.0	15.9	136.0	133.2	2.8
KEG RIVER S	270.0	0.30		81.0		81.0	70.4	10.6
KEG RIVER T	524.0	0.12		62.9		62.9	53.4	9.5
KEG RIVER U	381.0	<0.11		39.6		39.6	39.6	
KEG RIVER V	195.0	0.35		68.3		68.3	54.5	13.8
KEG RIVER W	715.0	0.30		215.0		215.0	167.0	48.0
KEG RIVER X	254.0	<0.11		26.3		26.3	26.3	
KEG RIVER Y	250.0	0.40		100.0		100.0	90.5	9.5
KEG RIVER Z WATER FLOOD	354.0	0.39	0.09	138.0	31.9	170.0	154.5	15.5
KEG RIVER AA	572.0	0.18		103.0		103.0	98.8	4.2
KEG RIVER BB	192.0	0.40		76.8		76.8	64.6	12.2
KEG RIVER CC	30.7	0.30		9.2		9.2	6.0	3.2
KEG RIVER DD WATER FLOOD	110.0	0.30	0.13	33.0	14.0	47.0	37.6	9.4
KEG RIVER EE	127.0	0.25		31.8		31.8	27.0	4.8
KEG RIVER FF	636.0	<0.05		30.6		30.6	30.6	
KEG RIVER GG	636.0	0.09		57.2		57.2	52.6	4.6
KEG RIVER HH	284.0	0.40		114.0		114.0	74.3	39.7
KEG RIVER II	366.0	0.15		54.9		54.9	19.9	35.0
KEG RIVER JJ	556.0	0.30		167.0		167.0	136.0	31.0
KEG RIVER KK	318.0	<0.08		25.0		25.0	25.0	
KEG RIVER LL	95.3	0.30		28.6		28.6	11.0	17.6
KEG RIVER NN	159.0	<0.31		48.6		48.6	48.6	
KEG RIVER OO	159.0	<0.11		16.2		16.2	16.2	
KEG RIVER PP	47.7	<0.06		2.8		2.8	2.8	
KEG RIVER QQ	238.0	<0.16		36.2		36.2	36.2	
KEG RIVER RR	1 270.0	<0.08		90.4		90.4	90.4	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
9	53.00	0.070	0.17	0.87	35	865	68	14 400	1 467.9	1968	76 08 - GPP
19	20.82	0.130	0.15	0.78	85	839	74	15 170	1 515.2	1968	69 04
17	23.00	0.050	0.20	0.75	74	849	71	14 240	1 478.0	1968	87 02
8	32.63	0.080	0.11	0.86	45	865	76	14 730	1 496.0	1968	88 12 - SUSP 86 01
4	19.05	0.100	0.10	0.86	46	870	71	12 440	1 472.2	1969	80 12 - SUSP 80 09
11	26.45	0.090	0.17	0.88	39	881	67	13 860	1 475.2	1969	81 10 - SUSP 87 01
16	44.20	0.050	0.20	0.74	88	829	72	14 670	1 541.4	1970	86 12 - GPP
49	12.71	0.046	0.30	0.88	35	881	65	13 580	1 439.8	1971	82 12 - GPP
65	20.12	0.051	0.17	0.80	80	849	71	14 890	1 500.5	1971	73 02 - SUSP 72 03
13	17.98	0.089	0.11	0.86	53	870	70	11 960	1 481.6	1971	73 12 - SUSP 84 11
65	12.50	0.040	0.35	0.82	106	834	73	12 590	1 486.5	1973	83 12 - SUSP 82 05
64	19.80	0.055	0.15	0.78	89	850	71	16 930	1 505.4	1969	80 06 - GPP
64	27.90	0.080	0.25	0.88	39	882	67	13 301	1 481.0	1983	86 10 - SUSP 88 04
64	11.00	0.120	0.11	0.80	45		62	14 491	1 546.5	1983	85 12 - SUSP 85 04
64	5.80	0.060	0.24	0.85	54	876	58	14 358	1 461.3	1983	84 08 - SUSP 85 01
64	5.00	0.062	0.11	0.79	89	860	69	14 320	1 492.6	1985	88 12 - ABAND 85 12
64	12.30	0.042	0.38	0.85	45	852	76	15 247	1 546.0	1981	87 03 - SUSP 87 08
49	16.70	0.076	0.17	0.83	75	829	62	15 790	1 596.5	1968	88 12 - SUSP 87 09
64	7.00	0.080	0.40	0.86	34	794	82	13 677	1 647.5	1981	88 12 - SUSP 82 07
10	41.03	0.080	0.15	0.76	106	825	68	15 170	1 545.0	1968	70 02 - GPP
14	38.93	0.094	0.11	0.87	43	849	71	14 670	1 466.7	1968	86 05 - GPP
8	35.30	0.068	0.16	0.90	32	876	64	14 560	1 460.6	1968	71 03
12	66.96	0.090	0.10	0.85	48	860	73	15 000	1 493.5	1968	78 01 - SUSP 77 11
13	68.75	0.094	0.10	0.82	75	849	68	15 200	1 513.0	1967	85 09 - SUSP 85 12
5	37.80	0.130	0.08	0.69	143	876	76	15 130	1 531.0	1968	79 04
10	88.09	0.077	0.16	0.80	74	839	76	16 030	1 592.0	1968	83 12 - GPP
13	70.46	0.093	0.10	0.83	65	876	77	15 270	1 499.0	1968	85 08 - GPP
12	44.50	0.090	0.10	0.83	78	849	71	14 990	1 495.0	1968	83 12 - I.S. NO. 6
11	36.45	0.053	0.14	0.87	50	865	68	14 460	1 462.1	1968	81 10 - GPP
8	56.81	0.065	0.12	0.85	45	855	70	14 930	1 499.3	1968	88 12
9	35.00	0.070	0.18	0.72	121	815	78	15 070	1 535.9	1968	87 12
6	47.40	0.073	0.12	0.87	50	865	68	14 550	1 474.6	1968	82 12 - SUSP 87 02
6	52.50	0.066	0.12	0.87	43	865	61	14 400	1 467.0	1968	86 05 - GPP
8	74.75	0.081	0.14	0.84	45	860	76	14 960	1 503.6	1968	85 05
15	62.00	0.071	0.14	0.84	58	855	72	14 980	1 504.2	1968	86 07 - GPP
8	56.76	0.100	0.10	0.81	80	876	63	15 090	1 564.5	1968	88 12 - I.S. NO. 6
6	79.20	0.077	0.10	0.82	60	855	71	12 770	1 530.4	1968	82 12 - SUSP 87 01
22	42.70	0.080	0.15	0.82	69	849	71	14 340	1 494.7	1968	86 12 - SUSP 87 09
19	30.75	0.100	0.11	0.75	107	829	71	15 470	1 551.7	1968	75 02 - SUSP 73 08
7	37.50	0.110	0.10	0.75	101	839	72	15 170	1 527.7	1968	83 12 - GPP
11	73.15	0.120	0.09	0.82	68	849	71	15 280	1 515.8	1968	76 05
6	66.45	0.093	0.12	0.77	96	839	72	15 370	1 538.0	1968	77 03 - SUSP 75 12
19	34.37	0.055	0.20	0.87	47	849	69	14 740	1 478.0	1968	84 12
11	52.50	0.084	0.10	0.81	75	860	64	14 780	1 489.6	1968	88 12 - I.S. NO. 6
25	47.24	0.073	0.24	0.87	45	849	72	14 860	1 486.8	1968	86 12 - GPP
10	43.30	0.060	0.16	0.88	35	855	67	14 650	1 467.6	1968	83 12 - GPP
7	27.10	0.025	0.30	0.89	30	860	68	14 450	1 447.2	1968	80 06 - GPP
9	22.89	0.074	0.13	0.83	67	849	69	14 450	1 481.0	1968	86 02 - GPP
10	21.56	0.090	0.15	0.77	101	839	71	15 310	1 529.5	1968	69 11 - GPP
34	39.51	0.070	0.11	0.76	104	820	70	15 380	1 544.7	1968	88 12 - SUSP 86 02
51	28.56	0.069	0.14	0.73	120	829	74	15 040	1 541.7	1968	83 12 - GPP
16	22.56	0.130	0.11	0.68	158	815	79	15 450	1 570.3	1968	86 12
9	68.00	0.085	0.20	0.88	46	876	63	14 690	1 482.9	1968	86 12
19	50.11	0.081	0.16	0.84	53	870	69	14 740	1 475.8	1968	70 02 - GPP
17	36.82	0.080	0.15	0.73	124	834	69	15 290	1 554.2	1968	78 10 - SUSP 77 10
10	17.98	0.079	0.19	0.80	74	844	70	15 620	1 632.2	1968	75 12 - SUSP 87 03
4	47.25	0.110	0.09	0.84	56	870	62	14 580	1 476.1	1968	83 12 - SUSP 81 12
9	33.78	0.070	0.13	0.86	50	865	68	14 160	1 464.3	1968	82 12 - SUSP 84 07
6	17.25	0.067	0.20	0.85	72	844	71	13 620	1 492.9	1969	70 02 - SUSP 73 03
19	26.16	0.082	0.20	0.73	118	839	72	15 452	1 545.3	1969	78 07 - SUSP 83 09
57	39.32	0.076	0.12	0.85	43	860	69	14 820	1 481.3	1969	84 12 - SUSP 84 01

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER SS	155.0	0.30		46.6		46.6	31.9	14.7
KEG RIVER TT	191.0	<0.13		23.1		23.1	23.1	
KEG RIVER UU	152.0	0.10		15.2		15.2	4.0	11.2
KEG RIVER VV	464.0	0.40		186.0		186.0	172.4	13.6
KEG RIVER WW	300.0	0.30	0.07	90.0	20.0	110.0	102.5	7.5
WATER FLOOD								
KEG RIVER XX	578.0	<0.09		47.4		47.4	47.4	
KEG RIVER YY	200.0	<0.26		50.6		50.6	50.6	
KEG RIVER ZZ	238.0	0.35		83.3		83.3	54.8	28.5
KEG RIVER AAA	230.0	0.35	0.13	80.5	29.9	110.0	105.7	4.3
WATER FLOOD								
KEG RIVER BBB	445.0	<0.18		79.9		79.9	79.9	
KEG RIVER CCC TOTAL	250.0			20.0	21.3	41.3	19.4	21.9
PRIMARY AREA	125.0	0.08		10.0		10.0		
WATER FLOOD AREA	125.0	0.08	0.17	10.0	21.3	31.3		
KEG RIVER DDD	191.0	0.07		13.4		13.4	13.4	
KEG RIVER EEE	238.0	<0.10		22.3		22.3	22.3	
KEG RIVER FFF	292.0	<0.01		0.3		0.3	0.3	
KEG RIVER GGG	440.0	0.10	0.08	44.0	36.0	80.0	78.0	2.0
WATER FLOOD								
KEG RIVER HHH	49.6	0.20		9.9		9.9	5.9	4.0
KEG RIVER III	47.7	<0.05		2.1		2.1	2.1	
KEG RIVER JJJ	556.0	<0.05		24.7		24.7	24.7	
KEG RIVER KKK	238.0	0.35		83.3		83.3	77.8	5.5
KEG RIVER LLL	207.0	0.30		62.0		62.0	44.6	17.4
KEG RIVER MMM	95.3	0.36		34.3		34.3	33.0	1.3
KEG RIVER NNN	207.0	0.40		82.8		82.8	64.1	18.7
KEG RIVER OOO	200.0	<0.20	0.03	38.4	6.0	44.4	44.4	
WATER FLOOD								
KEG RIVER PPP	227.0	0.15	0.10	34.2	22.7	56.9	54.4	2.5
WATER FLOOD								
KEG RIVER QQQ	320.0	<0.16		49.0		49.0	49.0	
KEG RIVER RRR	556.0	0.10		55.6		55.6	38.5	17.1
KEG RIVER SSS	238.0	0.05		11.9		11.9	7.5	4.4
KEG RIVER TTT	444.0	0.28		124.0	ERSO	124.0	114.4	9.6
KEG RIVER UUU	111.0	0.20		22.2		22.2	22.2	
KEG RIVER VVV	37.8	0.30		11.3		11.3	6.4	4.9
KEG RIVER WWW	111.0	<0.10		10.5		10.5	10.5	
KEG RIVER XXX	267.0	0.20		53.4		53.4	43.7	9.7
KEG RIVER YYY	175.0	0.36		62.9		62.9	42.1	20.8
KEG RIVER ZZZ	195.0	0.40		78.0		78.0	60.0	18.0
KEG RIVER A2A	318.0	<0.29		89.6		89.6	89.6	
KEG RIVER B2B	331.0	<0.06		17.5		17.5	17.5	
KEG RIVER C2C	397.0	<0.08		31.0		31.0	31.0	
KEG RIVER D2D	370.0	0.28		104.0	ERSO	104.0	92.1	11.9
KEG RIVER E2E	238.0	<0.06		13.2		13.2	13.2	
KEG RIVER F2F	139.0	0.15		20.8	ERSO	20.8	17.6	3.2
KEG RIVER G2G	79.5	<0.01		0.7		0.7	0.7	
KEG RIVER H2H	477.0	0.10		47.7	ERSO	47.7	37.2	10.5
KEG RIVER I2I	280.0	0.35		98.0		98.0	71.3	26.7
KEG RIVER J2J	56.3	0.30		16.9		16.9	5.9	11.0
KEG RIVER K2K	636.0	0.17		108.0		108.0	101.2	6.8
KEG RIVER L2L	253.0	<0.14		34.0		34.0	34.0	
KEG RIVER M2M	259.0	0.15		38.9		38.9	26.6	12.3
KEG RIVER N2N	348.0	0.18		62.6		62.6	59.6	3.0
KEG RIVER O2O	238.0	<0.08		18.8		18.8	18.8	
KEG RIVER P2P	191.0	<0.02		3.6		3.6	3.6	
KEG RIVER Q2Q	74.8	<0.03		1.9	ERSO	1.9	1.9	
KEG RIVER R2R	397.0	0.07	0.08	27.8	31.8	59.6	46.9	12.7
WATER FLOOD								
KEG RIVER S2S	270.0	0.40		108.0		108.0	68.3	39.7
KEG RIVER T2T	203.0	<0.21		41.3		41.3	41.3	
KEG RIVER U2U	421.0	0.11		46.3		46.3	41.5	4.8
KEG RIVER V2V	101.0	<0.19		18.2		18.2	18.2	
KEG RIVER W2W	636.0	0.07		45.0		45.0	45.0	
KEG RIVER X2X	397.0	0.15		59.6		59.6	52.5	7.1
KEG RIVER Y2Y	747.0	0.15		112.0		112.0	75.9	36.1
KEG RIVER Z2Z	500.0	0.25	0.15	125.0	75.0	200.0	26.0	174.0
WATER FLOOD								
KEG RIVER A3A	254.0	0.35		89.0		89.0	79.0	10.0
KEG RIVER B3B	477.0	<0.07		33.2		33.2	33.2	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
19	32.40	0.040	0.25	0.84	58	876	66	14 620	1 474.3	1969	70 06 - GPP
9	38.25	0.083	0.10	0.75	107	834	71	15 360	1 549.0	1969	77 05 - SUSP 77 02
34	18.04	0.040	0.25	0.82	69	849	71	13 570	1 484.0	1968	87 12 - GPP
13	63.98	0.081	0.15	0.84	65	860	70	14 618	1 483.8	1969	85 08
16	25.00	0.098	0.09	0.84	64	860	70	14 740	1 501.1	1969	86 02 - GPP
17	33.89	0.140	0.08	0.78	92	829	76	15 380	1 553.0	1969	77 11 - ABAND 76 11
6	52.30	0.094	0.12	0.77	91	834	76	15 130	1 547.5	1969	81 10 - SUSP 83 03
15	27.77	0.080	0.20	0.88	40	855	70	14 480	1 467.3	1969	86 12 - GPP
11	44.00	0.070	0.15	0.80	84	839	71	14 960	1 494.4	1968	83 12 - I.S. NO. 6
8	65.23	0.120	0.10	0.78	93	834	72	15 310	1 532.2	1969	82 12 - SUSP 80 07
8					47	855	71	14 406	1 504.0	1969	85 04
4	34.40	0.120	0.10	0.84							
4	70.50	0.060	0.12	0.84							
7	44.00	0.082	0.11	0.85	50	865	68	13 220	1 469.4	1969	83 12 - SUSP 81 12
5	57.24	0.107	0.12	0.84	54	865	71	12 670	1 501.1	1969	70 10 - SUSP 72 07
65	6.40	0.100	0.15	0.83	69	849	71	13 340	1 482.5	1969	70 12 - SUSP 70 01
11	51.27	0.102	0.10	0.85	53	865	70	13 970	1 495.3	1969	86 02 - GPP
8	24.78	0.037	0.24	0.89	40	860	68	13 930	1 442.9	1969	84 06 - SUSP 86 03
8	15.54	0.064	0.24	0.82	71	839	71	13 510	1 498.4	1969	74 05 - ABAND 70 11
21	40.39	0.094	0.15	0.82	62	865	72	14 250	1 529.5	1969	79 12 - SUSP 83 08
7	47.89	0.094	0.09	0.83	67	849	71	14 600	1 504.8	1969	83 12
14	39.32	0.053	0.20	0.90	30	870	68	14 280	1 460.3	1969	70 07 - GPP
14	24.54	0.040	0.22	0.88	46	855	71	14 380	1 476.5	1969	88 12 - GPP
22	27.01	0.050	0.20	0.86	44	870	68	14 310	1 463.3	1969	87 12 - GPP
4	82.75	0.080	0.10	0.84	59	844	66	11 660	1 506.0	1969	86 02 - SUSP 79 12
11	60.96	0.047	0.14	0.84	60	855	68	13 810	1 498.1	1969	76 12 - GPP - I.S. NO. 5
18	45.80	0.072	0.13	0.62	210	820	78	15 530	1 586.2	1969	83 12 - SUSP 82 02
15	65.00	0.096	0.11	0.65	171	815	78	15 180	1 570.9	1969	87 12 - GPP
6	72.92	0.080	0.20	0.85	52	870	71	13 910	1 524.0	1969	87 12 - GPP
11	60.27	0.095	0.13	0.81	71	855	74	15 220	1 534.7	1969	87 12 - GPP
8	37.88	0.069	0.17	0.64	192	811	82	15 470	1 595.6	1969	85 12 - SUSP 82 01
5	26.52	0.044	0.21	0.82	66	876	75	13 210	1 511.5	1969	75 12
7	21.34	0.110	0.12	0.74	118	829	71	14 800	1 539.9	1969	75 12 - SUSP 75 06
16	30.80	0.075	0.15	0.85	30	865	68	14 460	1 455.1	1969	79 12 - GPP
10	40.90	0.069	0.15	0.73	123	829	72	15 240	1 540.8	1969	71 09 - SUSP 86 10
22	33.38	0.047	0.30	0.80	64	849	70	13 850	1 477.7	1969	87 12
6	72.80	0.100	0.09	0.80	84	844	76	15 100	1 534.4	1969	70 08 - SUSP 84 01
20	26.49	0.090	0.23	0.89	34	870	70	13 560	1 456.6	1969	75 12 - SUSP 75 02
10	48.83	0.105	0.11	0.87	41	881	64	13 130	1 464.6	1969	80 01 - SUSP 83 09
9	76.78	0.077	0.12	0.79	77	844	73	14 730	1 531.6	1969	87 12 - GPP
12	33.89	0.079	0.15	0.86	48	870	69	11 190	1 490.8	1969	73 02 - SUSP 72 12
11	24.08	0.085	0.17	0.76	104	834	73	15 130	1 520.0	1969	70 06 - GPP - I.S. NO.7
11	28.65	0.045	0.32	0.83	62	849	71	14 500	1 497.5	1969	73 02 - SUSP 71 07
17	40.54	0.103	0.12	0.78	90	849	71	14 710	1 510.0	1969	82 12 - SUSP 83 09
17	34.70	0.070	0.22	0.87	43	860	70	14 130	1 467.6	1969	87 01
11	29.19	0.033	0.23	0.69	125	815	82	15 480	1 606.0	1969	88 12 - GPP
9	78.15	0.114	0.08	0.83	63	849	70	11 050	1 521.6	1970	82 12 - GPP
11	43.56	0.070	0.17	0.88	37	865	68	13 720	1 471.0	1970	88 12 - SUSP 86 05
23	27.22	0.061	0.20	0.86	45	834	72	13 880	1 474.6	1970	85 12
15	36.09	0.085	0.10	0.82	70	849	73	13 360	1 501.4	1970	86 12 - GPP
12	44.35	0.061	0.20	0.88	38	855	68	14 370	1 457.6	1970	82 12 - SUSP 84 05
13	33.83	0.075	0.20	0.75	92	829	76	14 930	1 563.6	1970	75 03 - SUSP 75 03
8	30.48	0.050	0.20	0.80	90	849	72	13 890	1 524.6	1970	88 12 - GPP - I.S. NO. 7
16	46.02	0.075	0.10	0.82	68	860	70	11 400	1 491.8	1970	75 12 - GPP
13	40.93	0.075	0.10	0.78	90	839	72	14 040	1 513.9	1970	71 09 - GPP
6	54.60	0.085	0.10	0.81	53	849	79	12 600	1 500.2	1971	75 12 - SUSP 85 05
10	48.77	0.120	0.10	0.80	76	849	73	12 450	1 523.1	1971	84 12 - GPP
11	48.89	0.030	0.23	0.82	80	849	73	14 530	1 508.5	1971	72 07 - SUSP 85 05
13	91.74	0.073	0.10	0.84	89	865	70	10 450	1 512.4	1971	81 12 - SUSP 84 11
11	49.07	0.105	0.18	0.86	53	865	70	10 640	1 476.5	1972	83 12 - SUSP 87 03
11	72.40	0.120	0.07	0.84	57	855	69	12 500	1 495.3	1972	84 07
14	60.43	0.087	0.21	0.86	33	870	60	6 235	1 483.1	1972	87 07
12	45.72	0.070	0.15	0.77	89	829	81	15 240	1 531.9	1972	73 05
10	54.86	0.120	0.10	0.83	51	865	72	14 360	1 496.3	1972	85 12 - SUSP 85 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
VIRGO 115-06W6 (CONTINUED)								
KEG RIVER C3C	159.0	<0.20		30.9		30.9	30.9	
KEG RIVER D3D	111.0	0.35		38.9		38.9	29.0	9.9
KEG RIVER E3E	556.0	0.12		66.7		66.7	52.4	14.3
KEG RIVER F3F	404.0	0.03		12.1		12.1	9.6	2.5
KEG RIVER G3G	310.0	<0.03		6.6		6.6	6.6	
KEG RIVER H3H	96.9	0.35		33.9		33.9	15.7	18.2
KEG RIVER I3I	248.0	<0.02		3.7		3.7	3.7	
KEG RIVER J3J	397.0	0.17		67.5		67.5	57.7	9.8
KEG RIVER L3L	65.3	<0.01		0.2		0.2	0.2	
KEG RIVER N3N	353.0	0.25		88.3		88.3	28.4	59.9
KEG RIVER O3O	74.3	<0.10		6.9		6.9	6.9	
KEG RIVER P3P	384.0	<0.01		0.3		0.3	0.3	
KEG RIVER Q3Q	327.0	0.30		98.1		98.1	20.0	78.1
KEG RIVER S3S	91.6	<0.03		2.6		2.6	2.6	
KEG RIVER T3T	110.0	<0.03		2.3		2.3	2.3	
KEG RIVER U3U	130.0	0.40		52.0		52.0	17.4	34.6
KEG RIVER V3V	600.0	0.30		180.0		180.0	27.7	152.3
KEG RIVER W3W	115.0	<0.01		0.5		0.5	0.5	
KEG RIVER X3X	93.3	0.30		28.0		28.0	4.1	23.9
KEG RIVER Y3Y	362.0	0.25		90.5		90.5	3.5	87.0
KEG RIVER Z3Z	50.0	0.25		12.5		12.5	2.6	9.9
KEG RIVER A4A	600.0	0.30		180.0		180.0	11.3	168.7
KEG RIVER B4B	300.0	0.30		90.0		90.0	21.3	68.7
KEG RIVER C4C	187.0	0.30		56.1		56.1	17.5	38.6
KEG RIVER D4D	500.0	0.30		150.0		150.0	11.7	138.3
KEG RIVER E4E	156.0	0.25		39.0		39.0	2.0	37.0
VIRGO KEG RIVER F4F WATER FLOOD	550.0	0.10	0.18	55.0	99.0	154.0	18.7	135.3
KEG RIVER G4G	894.0	0.25		224.0		224.0	19.9	204.1
KEG RIVER H4H	400.0	0.30		120.0		120.0	22.1	97.9
KEG RIVER I4I	100.0	0.20		20.0		20.0	0.5	19.5
KEG RIVER J4J	100.0	0.25		25.0		25.0	9.5	15.5
KEG RIVER K4K	225.0	0.25		56.3		56.3	6.6	49.7
KEG RIVER L4L	450.0	0.25		113.0		113.0	10.8	102.2
KEG RIVER M4M	240.0	0.10		24.0		24.0	1.4	22.6
KEG RIVER N4N	342.0	0.20		68.4		68.4	2.9	65.5
KEG RIVER O4O	250.0	0.40		100.0		100.0	33.5	66.5
KEG RIVER P4P	85.8	0.25		21.5		21.5	6.2	15.3
KEG RIVER Q4Q	425.0	0.20		85.0		85.0	5.4	79.6
KEG RIVER R4R	335.0	0.30		101.0		101.0	8.4	92.6
VULCAN 016-24W4								
BASAL MANNVILLE C	69.3	0.20		13.9		13.9	12.7	1.2
WANYANDIE 060-27W5								
CARDIUM A	242.0	0.10		24.2		24.2	7.1	17.1
CARDIUM B	424.0	<0.01		0.1		0.1	0.1	
CARDIUM C	397.0	0.05		19.9		19.9	1.5	18.4
WAPITI 067-06W6								
CARDIUM A & B	13 650.0	0.10		1 365.0		1 365.0	151.1	1 213.9
DUNVEGAN A	452.0	0.10		45.2		45.2	5.0	40.2
DUNVEGAN B	222.0	0.10		22.2		22.2	5.3	16.9
WASKAHIGAN 063-24W5								
DUNVEGAN A	3 000.0	0.05		150.0		150.0	114.0	36.0
DUNVEGAN C	520.0	0.05		26.0		26.0	15.3	10.7
DUNVEGAN D	133.0	0.10		13.3		13.3	9.0	4.3
WATELET 047-26W4								
BELLY RIVER B	281.0	<0.01		1.6		1.6	1.6	
ELLERSLIE A	320.0	0.15		48.0		48.0	39.2	8.8
WATTS 031-16W4								
LOWER MANNVILLE A	139.0	0.10		13.9		13.9	5.5	8.4
LOWER MANNVILLE B	167.0	0.10		16.7		16.7	5.8	10.9
LOWER MANNVILLE D	231.0	0.10		23.1		23.1	0.1	23.0
LOWER MANNVILLE E	496.0	0.05		24.8		24.8	6.3	18.5
LOWER MANNVILLE I	220.0	0.10		22.0		22.0	4.5	17.5
BANFF A	50.0	0.10		5.0		5.0	1.8	3.2
BANFF C	557.0	0.10		55.7		55.7	21.7	34.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
7	32.80	0.090	0.10	0.87	53	870	69	14 880	1 467.9	1972	82 12 - SUSP 81 12
5	31.18	0.095	0.18	0.87	33	876	65	13 810	1 449.6	1973	74 05 - SUSP 87 01
9	55.17	0.136	0.10	0.87	43	870	62	14 270	1 471.6	1973	86 12 - GPP
39	15.88	0.100	0.23	0.85	59	855	67	14 040	1 473.1	1973	79 12 - SUSP 87 07
29	21.46	0.072	0.18	0.85	57	855	69	12 580	1 481.3	1973	78 03 - SUSP 78 02
13	22.70	0.050	0.18	0.80	89	839	60	15 670	1 574.0	1974	74 12 - GPP
32	19.51	0.063	0.20	0.80	76	829	70	15 220	1 539.8	1969	85 12 - SUSP 85 03
12	54.25	0.090	0.20	0.84	66	849	72	15 060	1 490.5	1977	87 12 - GPP
8	22.60	0.060	0.30	0.86	35	850	68	14 380	1 459.0	1980	82 12 - SUSP 81 02
16	42.00	0.072	0.12	0.83	35	852	77	15 240	1 496.0	1981	81 09
8	22.50	0.060	0.20	0.86	46	835	64	9 278	1 584.8	1981	85 12 - ABAND 86 12
64	19.50	0.055	0.30	0.80	77	854	55	14 163	1 541.3	1982	86 12 - SUSP 86 02
16	27.00	0.110	0.20	0.86	34	850	65	14 724	1 555.5	1982	85 12 - SUSP 87 02
16	18.00	0.050	0.26	0.86	49	872	70	14 000	1 454.5	1983	85 06 - SUSP 85 03
4	46.48	0.080	0.13	0.85	58	860	71	7 346	1 502.5	1982	84 06 - ABAND 87 02
8	52.70	0.047	0.21	0.85	48	854	85	11 105	1 484.8	1984	85 09
13	52.59	0.116	0.11	0.85	51	862	71	14 867	1 495.1	1984	86 06
64	15.90	0.026	0.50	0.87	43	890	68	13 765	1 443.1	1984	85 05 - ABAND 88 03
30	20.33	0.030	0.40	0.85	51	871	71	13 566	1 457.9	1985	86 06
64	32.30	0.032	0.25	0.73	104	844	73	14 717	1 498.2	1984	85 08
4	37.60	0.051	0.25	0.87	30	878	68	8 452	1 467.4	1985	86 03
23	38.85	0.092	0.18	0.89	38	858	68	14 422	1 474.5	1985	86 08
23	30.83	0.069	0.16	0.73	104	875	73	15 151	1 533.2	1985	86 09
26	13.22	0.080	0.20	0.85	58	850	72	14 766	1 569.5	1985	87 01
11	77.68	0.081	0.16	0.86	30	873	68	11 997	1 486.7	1985	86 06
64	10.00	0.040	0.29	0.86	30	875	68	12 403	1 444.0	1985	86 01 - SUSP 87 02
10	73.90	0.095	0.13	0.90	33	889	70	13 555	1 496.5	1985	88 10
30	41.00	0.096	0.13	0.87	43	32	68	12 181	1 477.6	1985	88 05
7	73.90	0.107	0.16	0.86	241	891	68	13 738	1 504.5	1985	87 04
13	17.47	0.064	0.20	0.86	44	855	15	14 138	1 477.5	1986	87 04
19	29.10	0.034	0.30	0.76	106	872	68	14 712	1 531.2	1985	87 01
30	20.49	0.052	0.20	0.88	34	852	67	13 969	1 460.8	1986	87 07
14	44.58	0.101	0.17	0.86	48	874	64	13 560	1 531.0	1986	87 07
11	38.23	0.079	0.15	0.85	51	808	71	14 229	1 489.0	1986	87 12
31	19.68	0.074	0.14	0.88	37	872	57	13 954	1 458.8	1986	87 12
14	59.80	0.048	0.26	0.84	72	869	71	15 596	1 506.0	1987	88 09
6	34.60	0.076	0.15	0.64	193	839	78	13 677	1 564.5	1987	87 05
38	20.72	0.073	0.13	0.85	43	867	68	13 210	1 519.5	1986	88 06
17	56.50	0.068	0.21	0.65	159	839	78	13 510	1 555.0	1987	88 06
32	4.01	0.100	0.40	0.90					1 630.0	1962	88 08 - GPP
64	15.39	0.066	0.40	0.62	134	817	65	15 170	2 232.7	1980	81 06
64	17.80	0.077	0.22	0.62	180	780	65	15 154	2 149.6	1982	88 12 - SUSP 83 04
64	15.90	0.090	0.30	0.62	134	823	65	15 186	2 154.8	1980	85 12
2 492	8.25	0.112	0.25	0.79	98	810	40	10 462	1 406.5	1969	87 11
192	2.80	0.150	0.34	0.85	50	842	54	10 313	1 639.3	1958	87 05
64	4.00	0.150	0.32	0.85	88	800	50	10 032	1 516.0	1980	87 04
698	5.77	0.145	0.35	0.79	76	834	57	10 240	1 539.2	1967	85 08 - GPP
128	4.61	0.180	0.38	0.79	88	831	40	7 832	1 523.7	1981	85 08 - GPP
64	2.70	0.130	0.25	0.79	88	834	54	10 396	1 764.9	1981	82 03
64	3.00	0.250	0.35	0.90	28	865	31	5 270	723.0	1981	88 12 - SUSP 86 01
147	2.08	0.160	0.25	0.87	51	898	52	11 050	1 475.3	1965	83 12 - GPP
64	2.00	0.210	0.40	0.86	56	850	32	9 146	1 217.5	1982	82 08 - SUSP 87 09
64	2.90	0.170	0.40	0.88	49	867	37	9 274	1 206.6	1984	85 01
64	3.70	0.180	0.37	0.86	57	850	37	8 080	1 155.0	1986	86 11 - SUSP 86 10
64	5.80	0.230	0.34	0.88	49	880	36	9 280	1 261.4	1986	88 03
64	3.00	0.210	0.35	0.84	66	860	35	8 843	1 207.5	1986	88 01
64	4.86	0.035	0.46	0.85	61	849	42	9 310	1 255.9	1970	86 10 - SUSP 87 09
259	4.71	0.070	0.26	0.88	58	862	40	8 300	1 271.3	1984	87 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
WATTS 031-16W4 (CONTINUED)								
BANFF D	829.0	0.10		82.9		82.9	18.9	64.0
BANFF G	114.0	0.10		11.4		11.4	0.4	11.0
BANFF H	5 676.0	0.15		851.0		851.0	208.0	643.0
BANFF I	962.0	0.15		144.0		144.0	36.1	107.9
BANFF J	89.1	0.15		13.4		13.4	2.8	10.6
BANFF L	200.0	0.20		40.0		40.0	14.4	25.6
BANFF M	760.0	0.10		76.0		76.0	17.3	58.7
BANFF N	322.0	0.10		32.2		32.2	5.6	26.6
BANFF O	159.0	0.15		23.9		23.9	10.7	13.2
BANFF P	86.4	0.15		13.0		13.0	0.1	12.9
BANFF Q	81.7	0.15		12.3		12.3	6.1	6.2
BANFF W	233.0	0.15		35.0		35.0	5.4	29.6
BANFF X	492.0	0.15		73.8		73.8	7.2	66.6
BANFF Y	804.0	0.10		80.4		80.4	8.5	71.9
WAYNE-ROSEDALE 027-20W4								
VIKING H	73.6	0.10		7.3		7.3	5.2	2.1
VIKING M	106.0	<0.04		4.2		4.2	4.2	
UPPER MANNVILLE E	351.0	0.01		3.5		3.5	1.8	1.7
GLAUCONITIC F	159.0	0.01		1.6		1.6	0.9	0.7
GLAUCONITIC L	130.0	0.10		13.0		13.0	5.0	8.0
GLAUCONITIC M	435.0	0.01		4.4		4.4	2.3	2.1
GLAUCONITIC N	213.0	0.01		2.1		2.1	1.6	0.5
GLAUCONITIC DD	93.7	<0.01		0.4		0.4	0.4	
GLAUCONITIC EE	105.0	0.10		10.5		10.5		10.5
OSTRACOD D	78.3	0.10		7.8		7.8	4.1	3.7
OSTRACOD J	175.0	0.10		17.5		17.5	4.4	13.1
OSTRACOD M	125.0	0.10		12.5		12.5	4.1	8.4
BASAL QUARTZ A	159.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ B	10 900.0	0.08		872.0		872.0	619.4	252.6
BASAL QUARTZ E	3 857.0	0.03		116.0		116.0	67.0	49.0
BASAL QUARTZ F	105.0	0.10		10.5		10.5	9.8	0.7
BASAL QUARTZ G	77.5	<0.01		0.1		0.1	0.1	
BASAL QUARTZ H	157.0	<0.02		2.5		2.5	2.5	
BASAL QUARTZ O	149.0	0.04		6.0		6.0	5.2	0.8
BASAL QUARTZ U	532.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ AA	498.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ BB	357.0	<0.01		0.3		0.3	0.3	
BASAL QUARTZ DD	549.0	0.01		5.5		5.5	2.9	2.6
BASAL QUARTZ EE	205.0	<0.01		0.1		0.1		0.1
BASAL QUARTZ FF	156.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ GG	2 120.0	0.12		254.0		254.0	97.6	156.4
BASAL QUARTZ NN	291.0	<0.01		0.1		0.1	0.1	
BASAL QUARTZ OO	463.0	0.10		46.3		46.3	15.0	31.3
BASAL QUARTZ PP	441.0	0.02		8.8		8.8	5.5	3.3
BASAL QUARTZ QQ	184.0	0.10		18.4		18.4	4.8	13.6
BASAL QUARTZ RR	150.0	0.10		15.0		15.0	5.0	10.0
BASAL QUARTZ VV	424.0	0.02		8.5		8.5	2.0	6.5
BASAL QUARTZ CCC	510.0	0.10		51.0		51.0	4.8	46.2
BASAL QUARTZ FFF	341.0	0.10		34.1		34.1	0.5	33.6
BASAL QUARTZ GGG	214.0	0.04		8.6		8.6	2.7	5.9
BANFF C	300.0	0.15		45.0		45.0	30.2	14.8
WEMBLEY 073-08W6								
CHARLIE LAKE A	90.1	0.10		9.0		9.0	6.0	3.0
CHARLIE LAKE B	177.0	0.10		17.7		17.7	8.8	8.9
CHARLIE LAKE C	146.0	0.10		14.6		14.6	2.3	12.3
CHARLIE LAKE D	66.3	0.20		13.3		13.3	9.4	3.9
CHARLIE LAKE E	130.0	0.15		19.5		19.5	7.4	12.1
CHARLIE LAKE F	176.0	0.15		26.4		26.4	5.8	20.6
HALFWAY R	49.6	0.01		0.5		0.5	0.5	
HALFWAY U	99.0	0.15		14.9		14.9	3.4	11.5
HALFWAY B	23 000.0	0.20		4 600.0		4 600.0	1 482.6	3 117.4
DOIG E	1 800.0	0.10		180.0		180.0	131.0	49.0
DOIG F	71.0	0.15		10.7		10.7	0.8	9.9
DOIG G	1 200.0	0.03		36.0		36.0	19.3	16.7
WERNER 034-12W4								
GLAUCONITIC A	247.0	0.10		24.7		24.7	1.1	23.6

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m^3/m^3	DENSITY kg/m^3	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
384	5.72	0.060	0.26	0.85	60	864	39	9 852	1 225.5	1984	85 12
64	6.30	0.045	0.26	0.85	60	882	42	9 152	1 246.8	1985	86 03 - SUSP 86 10
805	15.00	0.070	0.21	0.85	55	860	47	9 225	1 249.2	1986	87 10
192	14.18	0.054	0.23	0.85	61	885	42	9 501	1 248.9	1986	88 01
64	7.00	0.030	0.22	0.85	66	860	33	8 926	1 257.3	1982	86 06
72	6.60	0.080	0.38	0.85	61	849	42	9 581	1 247.8	1981	88 12
423	5.64	0.050	0.25	0.85	61	877	42	9 425	1 231.0	1982	87 11
64	16.00	0.050	0.26	0.85	61	882	42	9 362	1 272.0	1986	86 12
64	7.50	0.060	0.35	0.85	66	883	31	9 458	1 235.8	1986	87 01
64	6.30	0.040	0.37	0.85	66	883	31	9 268	1 240.0	1986	87 01
64	7.70	0.030	0.35	0.85	66	883	31	9 608	1 232.5	1986	87 01
64	9.50	0.060	0.25	0.85	63	849	42	8 722	1 252.8	1986	87 10
64	27.00	0.050	0.33	0.85	61	850	30		1 269.2	1987	87 10
192	14.28	0.050	0.31	0.85	61	849	42		1 279.8	1987	88 01
65	0.91	0.220	0.35	0.87	54	811	39	6 571	1 042.4	1973	76 05 - GPP
64	1.22	0.240	0.35	0.87	54	811	32	7 920	1 053.7	1977	88 12 - SUSP 86 08
32	14.00	0.140	0.30	0.80	88	857	40	10 040	1 437.3	1979	83 12 - GPP
65	1.86	0.200	0.20	0.82	80	829	43	9 690	1 351.0	1961	82 12 - GPP
64	3.10	0.140	0.46	0.87	53	876	46	9 970	1 338.5	1973	79 01 - GPP
64	5.50	0.230	0.39	0.88	47	892	46	9 570	1 339.0	1978	80 12 - GPP
32	6.10	0.180	0.25	0.81	64	856	52	9 437	1 224.8	1958	83 12 - GPP
64	2.20	0.150	0.49	0.87	50	869	45	8 509	1 329.5	1984	88 12 - SUSP 86 08
64	1.90	0.170	0.39	0.83	66	860	43	8 974	1 218.7	1984	85 12
64	1.50	0.170	0.40	0.80	98	869	39	8 953	1 446.3	1980	81 07 - GPP
128	1.07	0.210	0.24	0.80	62	870	43	8 932	1 414.5	1980	86 12 - GPP
64	2.00	0.190	0.36	0.80	82	870	40		1 388.8	1987	87 12
36	7.32	0.165	0.55	0.82	71	815	41	9 660	1 363.4	1959	74 12 - SUSP 69 12
1 463	11.83	0.160	0.52	0.82	71	870	44	10 340	1 369.2	1954	86 01 - GPP
576	9.50	0.150	0.46	0.87	48	878	47	10 270	1 353.4	1962	87 07 - GPP
110	1.00	0.170	0.30	0.80	74	870	48	9 650	1 371.9	1957	86 12 - GPP
16	10.70	0.123	0.55	0.81	71	870	43	9 790	1 374.3	1962	63 02 - ABAND 63 08
16	9.14	0.180	0.27	0.81	74	870	48	10 070	1 440.8	1961	71 05 - ABAND 83 02
65	2.44	0.226	0.49	0.82	53	860	38	8 270	1 445.4	1959	78 10 - GPP
65	6.71	0.220	0.32	0.82	74	865	49	9 900	1 364.6	1972	73 02 - ABAND 72 06
64	7.50	0.190	0.35	0.84	68	857	38	9 290	1 414.8	1979	85 12 - ABAND 81 08
64	8.20	0.160	0.50	0.85	68	857	40	9 700	1 455.9	1979	82 12 - ABAND 81 05
64	11.00	0.150	0.35	0.80	67	857	41	8 586	1 360.9	1979	83 12 - GPP
64	4.39	0.140	0.35	0.80	88	857	41	10 515	1 494.0	1979	83 12 - SUSP 81 09
64	3.90	0.120	0.35	0.80	88	857	44	10 091	1 443.3	1979	80 08 - SUSP 83 12
712	4.90	0.146	0.48	0.80	63	862	38	9 649	1 359.7	1976	83 06
64	6.00	0.170	0.45	0.81	58	883	39	9 636	1 390.3	1981	82 11 - SUSP 84 02
128	9.30	0.120	0.60	0.81	72	863	38	9 620	1 203.2	1981	85 12
64	12.00	0.140	0.50	0.82	70	872	47	9 834	1 288.5	1981	86 12
64	5.00	0.140	0.50	0.82	70	882	47	9 804	1 254.2	1980	83 01
64	5.30	0.120	0.55	0.82	74	819	39	8 723	1 229.2	1982	83 01
64	9.40	0.160	0.45	0.80	60	876	52	9 554	1 336.3	1980	85 12
340	2.82	0.130	0.53	0.87	53	885	40	8 763	1 233.9	1984	87 11
64	9.00	0.140	0.52	0.88	48	878	47	9 233	1 315.5	1986	86 11
64	4.30	0.180	0.48	0.83	70	857	30	8 500	1 257.0	1977	87 01 - GPP
193	2.80	0.140	0.51	0.81	59	877	36	9 856	1 385.6	1980	86 12 - GPP
64	2.00	0.110	0.20	0.80	75	832	59	19 660	2 077.4	1981	86 12
64	3.00	0.139	0.15	0.78	183	832	83	19 546	2 064.3	1980	81 05
64	2.80	0.120	0.13	0.78	91	845	72	19 521	2 189.2	1982	86 02 - SUSP 87 10
74	2.00	0.080	0.20	0.70	135	840	66	24 435	2 027.0	1979	87 12
80	1.50	0.150	0.10	0.80	135	840	69	24 614	2 062.5	1986	87 12
64	2.40	0.180	0.15	0.75	120	823	76	19 235	2 080.4	1985	86 09
64	2.55	0.090	0.48	0.65	183	807	83	21 172	2 225.5	1984	85 07 - SUSP 85 09
64	3.80	0.082	0.32	0.73	123	830	76	20 966	2 049.9	1985	85 12
7 205	6.60	0.102	0.27	0.65	183	802	83	21 443	2 128.3	1978	87 10
400	13.00	0.070	0.26	0.67	162	802	76	21 795	2 162.4	1984	86 02 - GPP
64	2.90	0.070	0.19	0.67	140	838	73	21 141	2 143.6	1984	84 12
192	18.14	0.075	0.28	0.64	171	809	81	23 258	2 322.1	1982	87 12
64	3.50	0.200	0.40	0.92	31	867	34	10 985	1 067.3	1981	82 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WEST COVE 055-06W5								
NORDEGG-BANFF A	895.0	0.05		44.8		44.8	2.1	42.7
NORDEGG-BANFF B	144.0	<0.01		0.1		0.1	0.1	
WEST DRUMHELLER 030-20W4								
D-2 A	7 170.0	0.65		4 660.0		4 660.0	4 485.7	174.3
D-2 B	30.4	<0.01		0.1		0.1	0.1	
IRETON A	326.0	0.15		48.9		48.9	45.2	3.7
D-3 A	1 250.0	0.65		813.0		813.0	769.9	43.1
WESTEROSE 046-28W4								
BELLY RIVER A	451.0	<0.01		0.1		0.1	0.1	
D-3	31 000.0	0.71		22 000.0		22 000.0	20 704.3	1 295.7
WESTEROSE SOUTH 043-02W5								
VIKING A	113.0	0.15		17.0		17.0	4.7	12.3
OSTRACOD A	17.0	0.10		1.7		1.7	0.1	1.6
BASAL QUARTZ A	256.0	<0.01		0.2		0.2	0.2	
BASAL QUARTZ D	359.0	0.10		35.9		35.9	1.7	34.2
BASAL QUARTZ E	125.0	0.10		12.5		12.5	3.3	9.2
BANFF A	144.0	<0.01		0.3		0.3	0.3	
WESTPEM 049-13W5								
OSTRACOD A	249.0	0.10		24.9		24.9	7.3	17.6
OSTRACOD B	78.0	0.10		7.8		7.8	2.6	5.2
OSTRACOD C	39.2	<0.01		0.2		0.2	0.2	
OSTRACOD D	69.7	0.10		7.0		7.0	3.3	3.7
NISKU A	2 650.0	0.40	0.35	1 060.0	1 140.0	2 200.0	1 279.5	920.5
SOLVENT FLOOD								
NISKU C	4 000.0	0.40	0.40	1 600.0	1 600.0	3 200.0	1 748.3	1 451.7
SOLVENT FLOOD								
NISKU D	2 200.0	0.40	0.30	880.0	924.0	1 804.0	1 061.7	742.3
SOLVENT FLOOD								
WHITECOURT 060-11W5								
VIKING A	32.3	<0.02		0.5		0.5	0.5	
JURASSIC K	89.8	0.15		13.5		13.5	6.2	7.3
PEKISKO F	62.8	0.05		3.1		3.1	0.2	2.9
WHITEMUD 051-25W4								
BLAIRMORE	238.0	<0.18		42.2		42.2	42.2	
WILDWOOD 054-09W5								
BASAL QUARTZ A	204.0	0.02		4.1		4.1	2.2	1.9
PEKISKO A	499.0	0.05		25.0		25.0	8.5	16.5
WILLESDEN GREEN 042-07W5								
BELLY RIVER A	1 220.0	0.06	0.06	73.2	73.2	146.0	104.2	41.8
WATER FLOOD								
BELLY RIVER B	1 910.0	0.02		38.1		38.1	36.6	1.5
BELLY RIVER C	42.4	<0.09		3.7		3.7	3.7	
BELLY RIVER H	331.0	0.12		39.7		39.7	23.0	16.7
BELLY RIVER J	200.0	0.10		20.0		20.0	14.8	5.2
BELLY RIVER L	307.0	0.03		9.2		9.2	8.5	0.7
BELLY RIVER M	351.0	<0.01		0.1		0.1		0.1
BELLY RIVER N	186.0	<0.01		0.1		0.1	0.1	
BELLY RIVER O	325.0	0.03		9.8		9.8	3.5	6.3
BELLY RIVER Q	359.0	<0.01		0.6		0.6	0.6	
BELLY RIVER R	256.0	0.05		12.8		12.8	2.0	10.8
BELLY RIVER S	314.0	<0.01		0.1		0.1	0.1	
BELLY RIVER T	165.0	0.02		3.3		3.3	1.7	1.6
BELLY RIVER V	609.0	0.10		60.9		60.9	13.3	47.6
BELLY RIVER Y	171.0	0.10		17.1		17.1	0.4	16.7
BELLY RIVER Z	124.0	<0.01		0.4		0.4	0.4	
BELLY RIVER BB	185.0	0.03		5.6		5.6	1.7	3.9
BELLY RIVER DD	70.1	0.10		7.0		7.0	0.4	6.6
BELLY RIVER EE	174.0	0.10		17.4		17.4	6.0	11.4
BELLY RIVER FF	114.0	0.10		11.4		11.4	0.6	10.8
BELLY RIVER HH	148.0	<0.01		0.3		0.3	0.3	
BELLY RIVER II	426.0	0.05		21.3		21.3	3.4	17.9

9	10	11	12	13	14	15	16	17	18	19	20
AREA ha	AVERAGE PAY THICKNESS m	POROSITY frac	WATER SATN frac	SHRINKAGE frac	INITIAL SOLUTION GOR m³/m³	DENSITY kg/m³	TEMP °C	INITIAL PRESSURE kPa	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED AND REMARKS
64	16.17	0.156	0.37	0.88	50	904	45	11 321	1 468.9	1980	85 04 - SUSP 86 12
32	6.70	0.120	0.39	0.92	27	919	43	8 855	1 460.1	1984	85 06 - ABAND 87 03
1 730	14.00	0.050	0.20	0.74	120	815	56	13 790	1 674.3	1952	83 12 - GPP
64	2.00	0.045	0.40	0.88	120	833	44	13 280	1 700.0	1985	85 11 - SUSP 85 08
445	3.05	0.040	0.25	0.80	78	811	64	13 992	1 712.4	1954	80 04 - GPP
272	7.50	0.087	0.13	0.81	69	839	57	14 070	1 723.3	1954	85 12 - GPP - MRL
64	9.30	0.189	0.55	0.89	52	845	33	6 458	932.0	1986	86 08 - SUSP 86 08
652	72.20	0.105	0.07	0.67	166	820	82	17 930	2 204.6	1952	83 12
64	3.50	0.095	0.35	0.82	80	827	51	15 329	1 744.1	1986	86 08
64	0.80	0.065	0.36	0.80	74	870	72	16 389	1 868.3	1981	87 10 - SUSP 87 08
64	5.50	0.130	0.30	0.80	86	882	60	12 635	1 889.8	1980	83 12 - ABAND 87 06
64	5.00	0.165	0.15	0.80	85	851	59	16 249	1 852.0	1984	85 04 - GPP
64	3.30	0.095	0.17	0.75	120	854	60	18 025	1 992.6	1985	86 05
64	2.80	0.130	0.24	0.80	90	910	49	12 886	1 771.6	1980	84 12 - SUSP 82 12
64	4.00	0.150	0.10	0.72	125	811	88	17 037	2 462.0	1981	82 11
64	2.40	0.083	0.15	0.72	110	778	80	32 200	2 432.7	1983	84 09
64	1.70	0.085	0.20	0.53	165	805	97	20 050	2 738.7	1985	87 12 - SUSP 86 02
64	1.58	0.114	0.16	0.72	110	786	95	27 286	2 393.9	1986	86 09
61	79.62	0.100	0.12	0.62	208	815	100	38 230	2 929.4	1977	88 08
60	90.35	0.110	0.14	0.78	130	824	104	31 915	3 033.0	1979	85 02
77	49.50	0.117	0.07	0.53	328	798	104	40 962	3 139.3	1979	88 08
65	0.61	0.170	0.40	0.80	82	844	66	8 290	1 252.4	1968	71 05 - ABAND 70 05
64	3.00	0.110	0.50	0.85	52	864	68	11 050	1 719.8	1976	88 12
16	4.00	0.180	0.38	0.88	47	951	62	12 668	1 532.5	1987	88 05
81	3.47	0.150	0.30	0.81	77	839	53	9 030	1 244.2	1949	74 12 - ABAND 70 09
64	4.20	0.130	0.20	0.73	128	839	65	16 374	1 767.5	1980	86 12
128	5.21	0.120	0.22	0.80	75	852	58	12 955	1 732.6	1982	87 04 - SUSP 87 06
324	4.24	0.140	0.28	0.88	62	815	53	9 070	1 538.3	1961	85 12 - GPP
453	4.82	0.137	0.23	0.83	62	815	54	9 140	1 568.8	1956	75 12 - GPP
30	1.22	0.200	0.30	0.83	60	815	53	8 960	1 531.0	1961	73 02 - ABAND 64 10
64	6.85	0.130	0.30	0.83	62	820	47	9 220	1 597.2	1967	88 12
245	0.91	0.154	0.30	0.83	59	815	52	9 530	1 525.8	1955	88 12
65	5.18	0.153	0.28	0.83	67	815	53	8 960	1 486.5	1962	80 12 - GPP
64	6.30	0.150	0.30	0.83	58	815	52	9 530	1 390.0	1978	82 12 - SUSP 80 01
64	4.50	0.130	0.40	0.83	65	825	56	8 144	1 410.8	1981	83 12 - SUSP 82 06
64	5.90	0.140	0.26	0.83	66	831	42	8 636	1 461.2	1982	86 12 - GPP
64	5.30	0.150	0.15	0.83	65	773	55	6 250	1 532.1	1982	85 12 - ABAND 82 12
64	7.30	0.120	0.45	0.83	61	835	55	8 214	1 402.1	1982	85 12 - GPP
64	6.50	0.130	0.30	0.83	61	835	55	9 396	1 619.8	1978	84 03 - SUSP 84 02
64	3.70	0.120	0.30	0.83	61	835	55	10 233	1 578.7	1983	86 12 - GPP
128	6.30	0.130	0.30	0.83	61	834	55	9 360	1 561.2	1979	84 05
64	4.60	0.140	0.50	0.83	61	835	55	14 471	1 574.0	1962	84 09
64	2.00	0.180	0.35	0.83	70	844	40	7 457	1 509.0	1983	88 12 - SUSP 86 07
64	4.59	0.152	0.50	0.83	70	835	51	9 800	1 460.8	1984	87 12 - GPP
64	2.00	0.120	0.45	0.83	65	825	55	9 973	1 527.5	1985	86 07
64	3.60	0.130	0.30	0.83	68	823	52	8 271	1 594.8	1986	87 05
64	2.45	0.135	0.35	0.83	130	815	54	8 469	1 540.9	1986	87 05
64	5.00	0.110	0.40	0.70	130	782	54	10 870	1 630.1	1987	87 08 - SUSP 87 08
128	9.18	0.118	0.63	0.83	65	835	51	9 789	1 555.4	1987	88 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WILLESDEN GREEN 042-07W5 (CONTINUED)								
BELLY RIVER JJ	115.0	0.05		5.8		5.8	1.5	4.3
BELLY RIVER OO	189.0	0.10		18.9		18.9		18.9
BELLY RIVER PP	229.0	0.05		11.5		11.5		11.5
BELLY RIVER QQ	98.0	0.05		4.9		4.9		4.9
BELLY RIVER SS	160.0	0.05		8.0		8.0		8.0
BELLY RIVER W & X	442.0	0.05		22.1		22.1	2.4	19.7
CARDIUM A TOTAL	123 300.0			10 530.0	15 200.0	25 730.0	17 227.6	8 502.4
PRIMARY AREA	19 180.0	0.09		1 726.0		1 726.0		
SOLVENT FLOOD AREA	35 600.0	0.07	0.07	2 480.0	2 480.0	5 000.0		
WATER FLOOD AREA	68 500.0	0.09	0.18	6 320.0	12 700.0	19 000.0		
CARDIUM D	122.0	0.07		8.6		8.6	0.1	8.5
CARDIUM E	409.0	0.10		40.9		40.9	30.4	10.5
CARDIUM G	88.2	0.05		4.4		4.4	1.7	2.7
CARDIUM H	170.0	0.08		13.6		13.6	11.7	1.9
CARDIUM I	190.0	0.10		19.0		19.0	5.2	13.8
CARDIUM J	243.0	0.02		4.9		4.9	2.3	2.6
CARDIUM K	86.9	<0.02		1.3		1.3	1.3	
CARDIUM L	76.6	0.05		3.8		3.8	0.1	3.7
SECOND WHITE SPECKS A	54.7	0.20		10.9		10.9	6.8	4.1
SECOND WHITE SPECKS B	730.0	0.02		14.6		14.6	7.3	7.3
SECOND WHITE SPECKS C	108.0	0.10		10.8		10.8	8.9	1.9
SECOND WHITE SPECKS D	729.0	0.10		72.9		72.9	25.1	47.8
SECOND WHITE SPECKS E	2 419.0	0.10		242.0		242.0	28.6	213.4
SECOND WHITE SPECKS F	73.2	0.10		7.3		7.3	0.3	7.0
SECOND WHITE SPECKS G	1 700.0	<0.01		1.2		1.2	1.2	
SECOND WHITE SPECKS H	439.0	0.10		43.9		43.9	2.9	41.0
SECOND WHITE SPECKS I	356.0	0.10		35.6		35.6		35.6
SECOND WHITE SPECKS J	132.0	0.10		13.2		13.2		13.2
VIKING A	7 100.0	0.11		780.0		780.0	548.6	231.4
VIKING B	490.0	0.25		123.0		123.0	95.8	27.2
VIKING G	190.0	0.15		28.5		28.5	13.8	14.7
VIKING H	1 650.0	0.10		165.0		165.0	58.1	106.9
VIKING L	28.7	0.15		4.3		4.3	2.4	1.9
VIKING M	50.7	<0.02		0.6		0.6	0.6	
VIKING Q	19.3	<0.03		0.5		0.5	0.5	
VIKING R	83.9	<0.04		3.3		3.3	3.3	
VIKING S	45.7	<0.02		0.8		0.8	0.8	
VIKING T	89.8	0.15		13.5		13.5	3.0	10.5
VIKING V	12.3	0.15		1.8		1.8	1.5	0.3
VIKING W	90.1	0.20		18.0		18.0	6.5	11.5
VIKING Y	39.8	0.15		6.0		6.0	0.5	5.5
VIKING Z	440.0	0.04		20.0		20.0	16.2	3.8
VIKING AA	24.4	0.15		3.7		3.7	2.8	0.9
VIKING BB	37.9	0.15		5.7		5.7	1.5	4.2
VIKING CC	33.8	0.20		6.8		6.8	6.3	0.5
VIKING DD	59.4	0.15		8.9		8.9	0.8	8.1
GLAUCONITIC A TOTAL	1 560.0			236.0	70.5	306.0	244.4	61.6
PRIMARY AREA	153.0	0.15		23.0		23.0		
WATER FLOOD AREA	1 410.0	0.15	0.05	213.0	70.5	283.0		
GLAUCONITIC E	81.3	0.15		12.2		12.2	1.7	10.5
ELLERSLIE B	134.0	0.10		13.4		13.4	4.1	9.3
ELLERSLIE C	125.0	0.15		18.8		18.8	9.6	9.2
ELLERSLIE D	124.0	0.10		12.4		12.4	2.0	10.4
ELLERSLIE E	92.2	0.10		9.2		9.2	5.4	3.8
ELLERSLIE F	206.0	<0.01		0.4		0.4	0.4	
ROCK CREEK B	54.0	<0.01		0.2		0.2	0.2	
ROCK CREEK C	135.0	0.10		13.5		13.5	1.3	12.2
ROCK CREEK D	118.0	<0.01		0.1		0.1		0.1
ROCK CREEK E	56.9	0.10		5.7		5.7	2.0	3.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.60	0.120	0.50	0.83	65	835	51	8 339	1 593.6	1987	88 01
64	4.20	0.145	0.41	0.82	63	810	49	7 444	1 431.3	1987	88 09
64	4.60	0.150	0.26	0.70	130	782	54		1 482.4	1987	88 11
64	2.60	0.125	0.33	0.70	130	782	54		1 500.0	1987	88 11
64	3.90	0.110	0.30	0.83	65	848	52	7 998	1 580.7	1976	88 12
111	7.29	0.120	0.35	0.70	61	835	55	9 641	1 505.6	1964	87 05 - SUSP 85 12
54 807					176	820	60	21 200	1 897.4	1954	87 12 - GPP
11 580	2.53	0.114	0.13	0.66							
10 313	4.83	0.111	0.13	0.74							
32 914	2.29	0.153	0.10	0.66							
65	4.27	0.080	0.15	0.65	177	825	60	20 240	1 824.4	1976	78 09
192	4.26	0.100	0.23	0.65	176	830	55	20 340	1 914.1	1978	85 12
64	2.90	0.100	0.34	0.72	49	844	60	20 680	1 900.5	1979	84 12 - GPP
64	2.78	0.150	0.15	0.75				20 796	1 914.6	1975	78 12
64	3.00	0.150	0.13	0.76	100	832	60	19 651	1 985.3	1979	79 12
64	4.40	0.130	0.15	0.78	97	830	68	12 229	1 911.5	1983	86 12
64	2.00	0.100	0.13	0.78	97	830	68	19 825	2 012.0	1979	88 12 - SUSP 86 02
64	1.80	0.140	0.34	0.72	110	830	71	21 546	2 056.0	1980	87 12
100	1.22	0.080	0.20	0.70	149	801	71	21 520	2 051.0	1975	87 12 - GPP
64	10.80	0.220	0.25	0.64	187	818	40	22 893	2 082.0	1979	82 10 - GPP
64	3.00	0.100	0.20	0.70	149	810	74	18 867	2 133.5	1980	81 06 - GPP
128	14.10	0.090	0.30	0.64	186	833	69	24 183	2 113.8	1980	83 05
192	14.58	0.180	0.25	0.64	180	815	62	23 566	2 174.1	1987	88 05
64	2.50	0.110	0.35	0.64	187	833	69	24 077	2 120.8	1982	86 01
64	35.20	0.150	0.30	0.72	125	820	72	23 088	2 201.0	1981	82 03 - SUSP 86 06
64	17.00	0.090	0.30	0.64	187	833	69	24 060	2 121.0	1985	88 07
64	13.80	0.090	0.30	0.64	187	833	69		2 126.0	1985	88 07
64	5.10	0.090	0.30	0.64	187	833	69		2 080.4	1985	88 07
7 900	2.41	0.082	0.30	0.65	154	834	74	25 168	2 182.8	1956	86 01 - GPP
750	1.65	0.090	0.30	0.63	177	815	79	22 702	2 103.0	1955	88 07 - GPP
90	4.20	0.100	0.25	0.67	166	840	81	26 409	2 226.6	1980	85 12
384	4.90	0.160	0.13	0.63	180	718	86	22 796	2 294.1	1983	86 05
64	1.10	0.100	0.40	0.68	170	842	57	23 486	2 126.2	1983	84 09 - SUSP 87 02
64	1.30	0.130	0.31	0.68	210	823	70	22 679	2 277.9	1983	84 10 - ABAND 86 02
64	1.00	0.090	0.50	0.67	166	832	81	23 994	2 204.5	1984	84 10 - ABAND 86 08
128	1.80	0.080	0.32	0.67	166	832	81	26 153	2 200.6	1981	88 12 - SUSP 86 08
64	2.50	0.070	0.40	0.68	210	820	80	24 083	2 292.8	1984	84 12 - SUSP 85 11
64	5.04	0.063	0.35	0.68	165	824	65	21 424	2 209.3	1983	85 03
64	0.85	0.060	0.40	0.63	177	818	86	18 818	2 239.6	1983	85 05 - GPP
64	4.00	0.080	0.45	0.80	160	836	61	26 097	2 174.8	1984	85 06
64	1.77	0.076	0.30	0.66	170	818	80	24 044	2 287.3	1982	85 08
512	2.08	0.088	0.29	0.66	150	796	79	22 869	2 271.0	1982	87 11 - GPP
64	1.00	0.080	0.30	0.68	180	825	70	24 989	2 402.0	1983	87 12
128	1.00	0.064	0.32	0.68	154	833	38	17 445	2 135.5	1984	88 12
100	0.90	0.080	0.30	0.67	180	830	60	21 919	2 188.5	1985	88 08 - GPP
64	2.00	0.105	0.35	0.68	154	834	74	19 571	2 109.8	1980	88 09
831					106	876	76	25 890	2 286.9	1963	81 11 - GPP
64	3.96	0.112	0.22	0.69							
767	3.20	0.119	0.30	0.69							
64	2.00	0.110	0.23	0.75	95	870	104	23 010	2 356.0	1984	85 02
64	5.20	0.100	0.32	0.59	180	831	86	21 144	2 404.2	1983	84 09 - GPP
80	4.20	0.087	0.21	0.54	160	812	89	22 809	2 483.5	1983	87 12
64	2.00	0.210	0.23	0.60	160	757	78	22 308	2 355.0	1984	85 02
64	2.00	0.120	0.20	0.75	105	850	59	21 917	2 386.0	1985	85 09 - GPP
64	3.00	0.170	0.11	0.71	125	836	88	23 120	2 484.2	1985	85 09 - SUSP 86 04
64	3.15	0.054	0.38	0.80	83	896	70	14 313	2 366.4	1982	88 12 - ABAND 84 12
64	5.00	0.090	0.30	0.67	145	835	86	21 196	2 508.6	1983	84 09
64	3.00	0.093	0.15	0.78	79	891	70	18 741	2 487.0	1982	83 10 - ABAND 87 12
64	2.18	0.087	0.30	0.67	142	812	90	21 200	2 412.2	1984	85 06

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WILLINGDON 055-17W4								
VIKING H	87.0	<0.01		0.2		0.2	0.2	
WILLOW 028-17W4								
VIKING B	50.0	<0.01		0.3		0.3	0.3	
WILSON CREEK 043-04W5								
BELLY RIVER A	11 120.0	0.07		778.0		778.0	106.0	672.0
CARDIUM A	117.0	<0.01		0.6		0.6	0.6	
OSTRACOD A	99.6	0.10		10.0		10.0	0.8	9.2
WIMBORNE 034-26W4								
GLAUCONITIC B	454.0	0.10		45.4		45.4	12.4	33.0
D-2 A	683.0	<0.11		69.8		69.8	69.8	
D-2 B	329.0	0.06		19.7		19.7	15.5	4.2
D-3 A	15 000.0	0.25		3 750.0		3 750.0	2 983.4	766.6
WINDFALL 060-15W5								
BLUESKY A	297.0	0.10		29.7		29.7	11.9	17.8
GETHING D	96.8	0.10		9.7		9.7	1.4	8.3
RUNDLE A	2 000.0	0.25		500.0		500.0	348.4	151.6
D-3 A	13 400.0	0.22		2 950.0		2 950.0	2 273.7	676.3
D-3 B TOTAL	1 310.0			131.0	32.4	163.0	133.3	29.7
PRIMARY AREA	500.0	0.10		50.0		50.0		
GAS FLOOD AREA	810.0	0.10	0.04	81.0	32.4	113.0		
D-3 C	795.0	0.10		79.5		79.5	26.4	53.1
D-3 F	187.0	0.20		37.4		37.4	2.8	34.6
WINTERING HILLS 025-17W4								
VIKING A	1 400.0	0.42		588.0		588.0	454.9	133.1
VIKING P	448.0	0.03		13.4		13.4	8.2	5.2
VIKING Q	41.3	<0.01		0.1		0.1	0.1	
VIKING S	175.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE I	1 140.0	0.03		34.2		34.2	8.2	26.0
LOWER MANNVILLE A	2 210.0	0.03		66.3		66.3	46.8	19.5
LOWER MANNVILLE L	148.0	0.05		7.4		7.4	1.1	6.3
LOWER MANNVILLE O	210.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE R	518.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE T	660.0	0.05		33.0		33.0	25.7	7.3
LOWER MANNVILLE V	607.0	0.01		6.1		6.1	1.5	4.6
LOWER MANNVILLE W	445.0	0.10		44.5		44.5	12.4	32.1
LOWER MANNVILLE X	300.0	0.06		18.0		18.0	1.3	16.7
ELLERSLIE A	458.0	<0.01		1.4		1.4	0.8	0.6
WIZARD LAKE 048-27W4								
BASAL QUARTZ A	80.2	<0.01		0.5		0.5	0.5	
BASAL QUARTZ B	87.6	<0.01		0.3		0.3	0.3	
D-2 A	613.0	<0.17		103.5		103.5	103.5	
D-3 A SOLVENT FLOOD	67 000.0	<0.66	0.21	44 200.0	13 600.0	57 800.0	51 142.8	6 657.2
D-3 B	160.0	<0.07		10.8		10.8	10.8	
WOKING 075-04W6								
CHARLIE LAKE A	253.0	0.15		38.0		38.0	5.2	32.8
HALFWAY A	255.0	0.10		25.5		25.5	6.5	19.0
HALFWAY B	214.0	0.10		21.4		21.4	6.7	14.7
WOOD RIVER 043-23W4								
LOWER MANNVILLE A	366.0	0.15		54.9		54.9	35.5	19.4
LOWER MANNVILLE F	33.4	<0.01		0.1		0.1		0.1
D-2 A	1 250.0	0.15		190.0		190.0	134.9	55.1
D-2 B	1 700.0	0.25		425.0		425.0	85.5	339.5
D-2C TOTAL	1 304.0	0.35	0.15	457.0	172.0	629.0	379.3	249.7
PRIMARY AREA	154.0	0.35		53.9		53.9		
WATER FLOOD AREA	1 150.0	0.35	0.15	403.0	172.0	575.0		
D-2 D	630.0	0.25		158.0		158.0	43.1	114.9
D-3 A	294.0	<0.10		28.6		28.6	28.6	
D-3 B	581.0	0.30		174.0		174.0	28.7	145.3
WORSLEY 087-07W6								
TRIASSIC A	826.0	0.35		289.0		289.0	161.8	127.2
D-2 A	390.0	0.30		117.0		117.0	18.1	98.9
D-3 F	188.0	<0.02		3.4		3.4	3.4	

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m³/m³	kg/m³	°C	kPa	m		
64	1.10	0.240	0.44	0.92	30	878	28	5 016	648.5	1985	86 03 - ABAND 86 10
64	1.00	0.150	0.40	0.87	50	811	39	5 400	1 109.8	1982	83 05 - SUSP 84 11
3 021	5.46	0.140	0.42	0.83	62	833	68	6 942	1 287.4	1979	88 02
64	3.50	0.090	0.30	0.83	65	805	58	9 115	1 615.7	1982	83 06 - ABAND 87 11
64	1.70	0.150	0.14	0.71	122	841	64	22 703	2 199.7	1987	88 03
64	6.16	0.200	0.28	0.80	220	745	76	14 755	1 771.0	1977	87 05
268	18.99	0.029	0.30	0.66	160	834	78	19 890	2 253.1	1961	77 12 - SUSP 77 06
194	7.92	0.042	0.24	0.67	210	829	74	20 340	2 224.7	1956	81 12
8 066	4.57	0.068	0.12	0.68	206	820	79	21 170	2 282.0	1956	87 12 - GPP
64	6.78	0.120	0.25	0.76	102	849	63	20 162	2 032.2	1976	76 12
64	3.00	0.120	0.40	0.70	156	824	82	15 315	2 098.7	1979	81 11
864	3.35	0.120	0.20	0.72	118	834	82	17 410	2 083.6	1957	85 12 - GPP
5 859	8.84	0.060	0.12	0.49	336	811	104	25 950	2 627.3	1957	83 12 - GPP
424					243	825	103	25 230	2 619.1	1972	82 12 - GPP
168	12.50	0.050	0.12	0.54							
256	13.28	0.050	0.12	0.54							
219	12.00	0.063	0.20	0.60	220	811	103	25 550	2 746.6	1972	82 09
64	6.30	0.090	0.11	0.58	108	779	104	24 282	2 848.4	1987	87 11
309	4.02	0.231	0.44	0.87	56	825	27	7 860	887.6	1958	64 12
64	6.10	0.220	0.40	0.87	57	825	29	7 830	869.3	1978	85 12
64	0.90	0.150	0.45	0.87	57	835	29	7 540	876.5	1979	83 12 - ABAND 86 12
64	2.10	0.250	0.40	0.87	56	833	56	8 070	858.5	1984	86 12 - SUSP 86 07
475	3.29	0.140	0.37	0.83	64	866	55	7 943	1 222.0	1983	85 12
356	6.58	0.179	0.35	0.81	45	887	48	9 760	1 288.7	1965	83 12 - GPP
64	1.54	0.210	0.15	0.84	66	860	46	9 680	1 255.2	1973	83 12
64	2.90	0.205	0.32	0.81	58	860	36	9 120	1 330.3	1979	83 12 - SUSP 81 09
64	10.00	0.150	0.35	0.83	66	857	37	11 067	1 322.3	1979	82 12 - SUSP 81 09
64	9.80	0.200	0.35	0.81	45	887	46	9 639	1 271.3	1965	82 07 - GPP
64	6.50	0.250	0.28	0.81	64	894	38	9 552	1 277.3	1983	86 12 - GPP
320	1.53	0.180	0.39	0.83	90	866	39	9 719	1 256.6	1983	84 06 - GPP
128	2.72	0.170	0.39	0.83	72	867	37	9 736	1 258.7	1983	86 11
64	5.74	0.220	0.30	0.81	45	887	46	9 760	1 273.8	1965	83 12 - SUSP 83 03
32	2.13	0.171	0.20	0.85	50	870	49	10 790	1 465.8	1951	61 01 - ABAND 60 04
32	2.44	0.165	0.20	0.84	53	870	49	11 030	1 483.5	1953	59 05 - ABAND 60 05
494	5.24	0.041	0.23	0.75	106	839	71	13 790	1 756.6	1958	82 12 - SUSP 79 12
1 075	85.10	0.096	0.07	0.75	109	834	72	15 650	1 969.0	1951	88 08
54	4.45	0.095	0.07	0.75	109	834	77	15 200	2 108.0	1964	72 05 - ABAND 69 12
64	3.70	0.180	0.25	0.79	80	714	52	13 521	1 537.7	1985	86 05
128	2.62	0.170	0.42	0.77	150	865	65	13 827	1 596.9	1982	84 06
64	3.20	0.160	0.15	0.77	92	859	48	13 838	1 540.1	1985	86 05
64	5.79	0.170	0.30	0.83	115	847	57	10 650	1 453.1	1956	85 01 - GPP
16	2.00	0.200	0.45	0.95	16	967	41	12 842	1 588.0	1982	83 07 - SUSP 83 01
468	3.93	0.100	0.14	0.79	80	887	60	16 410	1 694.1	1964	84 10
128	27.67	0.080	0.20	0.75	80	887	60	15 820	1 705.7	1963	84 12
251					133	839	62	15 840	1 768.4	1972	88 11
64	5.90	0.070	0.20	0.73							
187	12.00	0.078	0.10	0.73							
31	38.40	0.080	0.17	0.79	98	887	60	15 972	1 765.9	1983	84 12
65	9.14	0.073	0.15	0.80	142	865	61	16 030	1 695.0	1957	73 02 - ABAND 76 05
128	8.44	0.080	0.16	0.80	77	868	61	13 004	1 780.7	1981	85 03
323	2.07	0.190	0.26	0.88	57	844	43	8 480	1 048.8	1961	85 08
128	5.50	0.090	0.18	0.75	110	823	76		2 195.2	1983	88 08
204	4.57	0.070	0.55	0.64	106	825	81	22 000	2 192.7	1961	88 12 - SUSP 86 04

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
YEKAU LAKE 052-26W4								
LOWER MANNVILLE A	431.0	<0.01		3.4		3.4	3.4	
LOWER MANNVILLE B	260.0	<0.01		0.3		0.3	0.3	
D-2 A	95.7	<0.01		0.1		0.1	0.1	
D-3 A	1 070.0	0.70		749.0		749.0	667.1	81.9
D-3 B	39.7	<0.01		0.3		0.3	0.3	
YOUNGSTOWN 031-09W4								
UPPER MANNVILLE A	90.6	<0.01		0.1		0.1		0.1
ARCS	2 240.0	<0.36		784.0		784.0	482.7	301.3
ZAMA 117-04W6								
SULPHUR POINT A	203.0	<0.02		2.3		2.3	2.3	
SULPHUR POINT B	350.0	<0.01		0.1		0.1	0.1	
SULPHUR POINT C	258.0	<0.02		3.2		3.2	3.2	
SULPHUR POINT D	319.0	0.02		6.4		6.4	2.6	3.8
SULPHUR POINT F	953.0	0.15		143.0		143.0	81.2	61.8
SULPHUR POINT R	78.9	0.10		7.9		7.9	2.3	5.6
SULPHUR POINT T	261.0	0.10		26.1		26.1	1.5	24.6
SULPUR POINT U	114.0	0.15		17.1		17.1	0.1	17.0
MUSKEG B	120.0	0.20		24.0		24.0	22.2	1.8
MUSKEG C	207.0	0.20		41.4		41.4	37.5	3.9
MUSKEG F	254.0	<0.10		23.3		23.3	23.3	
MUSKEG G	238.0	<0.08		18.4		18.4	18.4	
MUSKEG H	191.0	0.35		66.9		66.9	54.3	12.6
MUSKEG J	350.0	0.20		70.0		70.0	45.9	24.1
MUSKEG K	120.0	<0.01		0.3		0.3	0.3	
MUSKEG L WATER FLOOD	365.0	0.20	0.07	73.0	25.6	98.6	69.9	28.7
MUSKEG N	98.5	<0.17		16.0		16.0	16.0	
MUSKEG O	286.0	0.20		57.2		57.2	45.2	12.0
MUSKEG P	127.0	<0.12		14.1		14.1	14.1	
MUSKEG R	159.0	0.35		55.6		55.6	23.9	31.7
MUSKEG S	79.5	<0.20		12.5		12.5	12.5	
MUSKEG T	415.0	0.25		104.0		104.0	59.0	45.0
MUSKEG U	268.0	0.30		80.4		80.4	50.9	29.5
MUSKEG V	400.0	0.40		160.0		160.0	90.5	69.5
MUSKEG W	159.0	<0.07		10.8		10.8	10.8	
MUSKEG X	79.5	<0.05		3.8		3.8	3.8	
MUSKEG Y WATER FLOOD	350.0	0.20	0.10	70.0	35.0	105.0	73.6	31.4
MUSKEG AA	79.5	<0.14		10.6		10.6	10.6	
MUSKEG BB	254.0	<0.08		18.5		18.5	18.5	
MUSKEG DD	100.0	<0.20		16.8		16.8	16.8	
MUSKEG EE	114.0	<0.29		32.8		32.8	32.8	
MUSKEG GG	365.0	0.35		128.0		128.0	87.5	40.5
MUSKEG HH	234.0	<0.02		3.2		3.2	3.2	
MUSKEG II	120.0	0.14		16.8		16.8	16.8	
MUSKEG KK	156.0	0.05		7.8		7.8	3.9	3.9
MUSKEG LL	159.0	0.25		40.0		40.0	33.3	6.7
MUSKEG MM	49.1	<0.10		4.8		4.8	4.8	
MUSKEG NN	351.0	0.15		52.7		52.7	47.9	4.8
MUSKEG OO	324.0	<0.01		0.1		0.1	0.1	
MUSKEG PP	50.0	<0.14		6.9		6.9	6.9	
MUSKEG QQ	140.0	0.20		28.0		28.0	6.2	21.8
MUSKEG RR	199.0	0.30		59.7		59.7	19.1	40.6
MUSKEG SS	384.0	<0.01		3.5		3.5	3.5	
MUSKEG TT	561.0	<0.01		1.8		1.8	1.8	
MUSKEG UU	225.0	0.20		45.0		45.0	5.7	39.3
MUSKEG VV	161.0	<0.01		0.2		0.2	0.2	
MUSKEG WW	200.0	0.30		60.0		60.0	17.1	42.9
MUSKEG XX	195.0	0.10		19.5		19.5	4.5	15.0
MUSKEG YY	91.2	0.20		18.2		18.2	1.6	16.6
KEG RIVER A	874.0	0.39		342.0		342.0	252.1	89.9
KEG RIVER C	318.0	<0.15		45.0		45.0	45.0	
KEG RIVER D	477.0	0.40		191.0		191.0	104.5	86.5
KEG RIVER E	397.0	<0.24		92.4		92.4	92.4	
KEG RIVER F	874.0	0.25		219.0		219.0	170.7	48.3
KEG RIVER G	318.0	0.35		111.0		111.0	93.6	17.4
KEG RIVER H WATER FLOOD	1 750.0	0.30	0.07	525.0	122.0	647.0	426.8	220.2
KEG RIVER I	192.0	<0.01		0.7		0.7	0.7	
KEG RIVER J	477.0	0.10		47.7		47.7	32.8	14.9
KEG RIVER K	127.0	0.35		44.5		44.5	36.0	8.5
KEG RIVER L	234.0	0.25		58.5		58.5	46.7	11.8

LIGHT-MEDIUM CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	7.01	0.150	0.22	0.81	83	855	54	9 480	1 257.6	1971	84 12 - SUSP 80 02
64	4.10	0.190	0.38	0.84	58	810	56	9 480	1 275.'	1985	86 06 - SUSP 86 02
65	5.79	0.042	0.24	0.80	83	820	60	20 155	1 464.6	1964	64 12 - ABAND 64 07
250	6.58	0.097	0.15	0.79	87	820	63	11 450	1 557.5	1955	86 12
16	7.32	0.060	0.30	0.80	85	849	61	11 270	1 552.7	1967	68 12 - ABAND 68 04
64	1.10	0.220	0.35	0.90	44	884	34	9 157	1 053.8	1979	83 12 - SUSP 81 12
1 131	2.65	0.103	0.22	0.93	18	860	42	8 760	1 132.0	1956	86 12 - GPP
65	5.79	0.077	0.16	0.84	64	860	66	13 100	1 370.1	1967	73 02 - SUSP 72 01
65	15.24	0.059	0.30	0.86	52	865	64	12 760	1 484.7	1967	69 05 - SUSP 68 01
19	25.91	0.070	0.13	0.86	73	839	65	12 930	1 339.9	1967	86 12 - SUSP 85 06
65	9.75	0.079	0.20	0.80	64	860	64	13 100	1 332.3	1967	88 07 - GPP
138	15.95	0.066	0.20	0.82	74	834	69	13 030	1 341.1	1967	75 12 - GPP
24	5.49	0.080	0.13	0.86	73	851	65	13 077	1 330.0	1967	88 02 - GPP
64	9.30	0.066	0.17	0.80	76	843	68	13 092	1 356.3	1985	87 03
64	5.00	0.050	0.12	0.81	76	834	68	13 450	1 397.3	1986	87 07 - SUSP 87 03
8	18.00	0.100	0.11	0.94	16	881	66	14 200	1 454.5	1966	78 12 - GPP
13	23.16	0.090	0.13	0.89	35	870	70	14 310	1 469.7	1966	86 12 - GPP
10	63.89	0.060	0.20	0.83	62	860	72	13 650	1 497.2	1967	79 01 - SUSP 78 11
30	19.48	0.060	0.17	0.81	74	860	73	13 800	1 557.2	1967	74 12 - SUSP 74 04
9	47.06	0.064	0.19	0.87	47	834	70	14 450	1 460.6	1967	88 12 - GPP
27	36.60	0.050	0.20	0.88	33	881	72	14 000	1 452.4	1967	84 08
65	6.71	0.046	0.25	0.80	80	887	60	13 650	1 407.0	1967	71 01 - ABAND 82 09
12	63.22	0.070	0.18	0.83	59	844	77	15 000	1 513.0	1967	84 12 - GPP
5	55.47	0.046	0.14	0.89	37	881	71	14 000	1 508.2	1967	82 12 - SUSP 81 01
11	48.46	0.069	0.09	0.83	54	844	72	15 000	1 508.9	1967	73 12 - GPP
11	28.01	0.056	0.21	0.94	16	892	66	14 070	1 467.8	1967	70 02 - ABAND 85 10
11	39.50	0.055	0.15	0.76	96	834	79	15 860	1 575.3	1967	73 08 - GPP
11	14.33	0.070	0.15	0.83	39	860	71	14 270	1 500.2	1967	68 11 - SUSP 84 10
30	28.10	0.076	0.27	0.90	24	881	68	14 270	1 460.7	1967	84 09 - GPP
7	64.06	0.080	0.15	0.85	48	887	66	14 690	1 479.9	1966	88 12
15	52.10	0.070	0.20	0.90	29	881	69	14 281	1 470.7	1966	82 10 - GPP
18	20.88	0.060	0.12	0.81	78	855	71	14 380	1 562.7	1967	73 10 - ABAND 85 02
12	10.36	0.090	0.14	0.82	67	855	71	14 100	1 530.1	1968	70 01 - SUSP 72 01
42	13.45	0.080	0.10	0.86	45	855	70	14 820	1 503.9	1968	82 07
9	24.14	0.058	0.25	0.85	57	876	71	13 340	1 490.6	1968	74 11 - SUSP 76 02
31	13.90	0.075	0.12	0.88	30	860	71	13 400	1 468.5	1968	75 12 - SUSP 74 01
7	25.00	0.073	0.13	0.90	25	876	67	13 870	1 446.0	1968	81 09 - ABAND 80 07
3	45.30	0.108	0.09	0.85	42	860	69	14 530	1 480.1	1968	84 06 - ABAND 88 01
7	64.95	0.100	0.08	0.84	62	887	71	13 120	1 522.2	1969	73 08 - GPP
16	38.10	0.054	0.20	0.88	41	881	70	12 700	1 502.7	1968	73 02 - ABAND 82 09
9	24.50	0.079	0.15	0.81	74	860	72	13 870	1 507.2	1967	78 12 - SUSP 83 09
17	21.50	0.060	0.19	0.88	32	881	72	14 290	1 493.8	1969	86 12 - GPP
3	58.20	0.115	0.10	0.88	30	870	67	13 480	1 454.8	1969	84 12 - GPP
13	27.71	0.024	0.30	0.79	82	855	71	13 220	1 463.6	1971	74 12 - SUSP 74 04
25	24.99	0.077	0.11	0.83	56	855	67	14 940	1 516.7	1972	86 12 - GPP
65	24.08	0.036	0.32	0.85	44	844	36	17 960	1 553.9	1973	74 05 - ABAND 73 09
6	15.90	0.070	0.10	0.83	91	837	80	13 676	1 536.8	1982	84 12 - GPP
31	8.24	0.070	0.10	0.87	37	839	74	12 953	1 509.2	1983	85 04 - GPP
64	8.30	0.060	0.18	0.76	95	834	62	18 035	1 502.5	1983	84 01 - GPP
64	12.00	0.070	0.14	0.83	54	844	79	13 690	1 564.0	1983	86 12 - SUSP 85 04
64	16.00	0.070	0.11	0.88	35	882	71	17 953	1 499.3	1984	88 12 - SUSP 85 09
39	15.61	0.050	0.16	0.88	35	878	73	14 663	1 469.8	1984	86 09
64	5.60	0.060	0.10	0.83	60	837	77	15 402	1 578.4	1984	88 12 - ABAND 85 10
36	10.73	0.070	0.15	0.87	41	854	71	14 624	1 571.3	1985	87 02
64	8.35	0.055	0.19	0.82	59	817	66	18 557	1 526.8	1986	88 08 - GPP
64	2.00	0.090	0.10	0.88	37	870	29	14 774	1 427.5	1987	87 12 - SUSP 88 07
25	63.12	0.071	0.11	0.86	46	876	68	14 340	1 460.0	1966	70 06 - GPP
7	82.30	0.077	0.16	0.87	50	870	69	14 760	1 482.9	1967	83 12 - ABAND 80 04
8	114.30	0.074	0.16	0.83	60	849	72	15 130	1 563.3	1967	82 12 - GPP
17	47.46	0.070	0.12	0.80	71	834	79	14 790	1 512.1	1967	86 12 - SUSP 85 10
32	50.90	0.071	0.12	0.85	52	849	71	14 480	1 492.9	1967	82 12 - SUSP 87 10
17	32.92	0.085	0.24	0.88	35	870	71	14 310	1 464.3	1967	75 06 - GPP
141	42.06	0.047	0.28	0.87	36	865	74	14 200	1 460.9	1966	74 09 - GPP
22	28.22	0.050	0.25	0.83	59	865	75	14 450	1 509.7	1967	68 05 - SUSP 68 08
7	91.20	0.100	0.10	0.83	66	865	72	13 952	1 549.6	1967	88 12
17	23.40	0.050	0.24	0.84	54	865	71	13 760	1 421.9	1966	81 12 - GPP
20	33.53	0.050	0.20	0.86	46	865	72	13 800	1 444.8	1967	83 12 - GPP

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER M	674.0	<0.01		0.9		0.9	0.9	
KEG RIVER N WATER FLOOD	360.0	0.25	0.10	90.0	36.0	126.0	111.2	14.8
KEG RIVER O WATER FLOOD	1 030.0	0.34	0.06	350.2	61.8	412.0	269.5	142.5
KEG RIVER P WATER FLOOD	286.0	0.35	0.15	100.0	42.9	143.0	94.2	48.8
KEG RIVER R	179.0	0.33		59.1		59.1	50.2	8.9
KEG RIVER S	874.0	<0.11		88.9	ERSO	88.9	88.9	
KEG RIVER T	200.0	0.30		60.0		60.0	45.3	14.7
KEG RIVER U	715.0	0.37		265.0		265.0	189.9	75.1
KEG RIVER V	318.0	<0.08		23.9		23.9	23.9	
KEG RIVER W	191.0	0.30		57.3		57.3	51.8	5.5
KEG RIVER X	306.0	<0.06		16.6		16.6	16.6	
KEG RIVER Y WATER FLOOD	261.0	<0.17	0.05	43.2	13.5	43.2	43.2	
KEG RIVER Z	477.0	0.37		176.0		176.0	171.4	4.6
KEG RIVER AA	191.0	0.30		57.3		57.3	55.8	1.5
KEG RIVER BB	238.0	0.35		83.3		83.3	56.5	26.8
KEG RIVER CC WATER FLOOD	795.0	0.25	0.12	199.0	95.4	294.0	272.1	21.9
KEG RIVER DD	324.0	<0.08		24.4		24.4	24.4	
KEG RIVER EE	1 030.0	0.25		258.0		258.0	217.2	40.8
KEG RIVER FF	1 270.0	0.30		381.0		381.0	324.7	56.3
KEG RIVER GG WATER FLOOD	953.0	0.08	0.03	76.2	28.6	105.0	99.6	5.4
KEG RIVER HH	155.0	0.25		38.8		38.8	33.6	5.2
KEG RIVER II	280.0	0.10		28.0		28.0	13.1	14.9
KEG RIVER JJ	110.0	0.30		33.0		33.0	29.6	3.4
KEG RIVER KK WATER FLOOD	176.0	0.25	0.15	44.0	26.4	70.4	47.7	22.7
KEG RIVER LL	150.0	0.35		52.5		52.5	42.3	10.2
KEG RIVER MM	345.0	<0.01		2.6		2.6	2.6	
KEG RIVER NN	636.0	0.25		159.0		159.0	122.9	36.1
KEG RIVER OO	148.0	0.40		59.2		59.2	49.2	10.0
KEG RIVER PP	763.0	0.42		321.0		321.0	177.9	143.1
KEG RIVER QQ	350.0	0.30		105.0		105.0	78.5	26.5
KEG RIVER RR	795.0	0.08		63.6		63.6	57.9	5.7
KEG RIVER SS	310.0	0.22		68.0		68.0	64.2	3.8
KEG RIVER TT WATER FLOOD	400.0	0.25	0.10	100.0	40.0	140.0	119.9	20.1
KEG RIVER UU	141.0	<0.15		20.5		20.5	20.5	
KEG RIVER VV	1 350.0	0.41		555.0		555.0	372.3	182.7
KEG RIVER WW	318.0	0.20		63.6		63.6	56.7	6.9
KEG RIVER XX	477.0	0.25		119.0		119.0	90.8	28.2
KEG RIVER YY WATER FLOOD	663.0	0.25	0.05	165.0	33.2	198.0	55.3	142.7
KEG RIVER ZZ	238.0	0.35		83.4		83.4	57.8	25.6
KEG RIVER AAA	556.0	0.35		195.0		195.0	158.7	36.3
KEG RIVER BBB WATER FLOOD	207.0	0.34	0.12	70.2	24.8	95.0	64.7	30.3
KEG RIVER CCC	477.0	<0.01		2.8		2.8	2.8	
KEG RIVER DDD	318.0	<0.21		64.2		64.2	64.2	
KEG RIVER EEE	318.0	0.12		38.1		38.1	32.0	6.1
KEG RIVER FFF	169.0	0.25		42.3		42.3	23.3	19.0
KEG RIVER GGG	64.2	<0.19		12.1		12.1	12.1	
KEG RIVER HHH	318.0	<0.13		38.4		38.4	38.4	
KEG RIVER III	230.0	0.30		69.0		69.0	56.0	13.0
KEG RIVER JJJ	477.0	0.36		172.0		172.0	153.2	18.8
KEG RIVER KKK	397.0	0.20		79.4		79.4	69.1	10.3
KEG RIVER LLL	165.0	0.20		33.0		33.0	15.3	17.7
KEG RIVER MMM	500.0	0.40		200.0		200.0	132.2	67.8
KEG RIVER NNN	588.0	0.35		207.0		207.0	146.7	60.3
KEG RIVER OOO	524.0	0.10		52.4		52.4	45.7	6.7
KEG RIVER PPP	213.0	0.25		53.2		53.2	38.5	14.7
KEG RIVER QQQ	397.0	0.15		59.6		59.6	42.3	17.3
KEG RIVER RRR	636.0	0.22		140.0		140.0	124.3	15.7
KEG RIVER SSS	79.5	<0.22		17.3		17.3	17.3	
KEG RIVER TTT WATER FLOOD	127.0	0.35	0.12	44.5	15.3	59.8	48.3	11.5
KEG RIVER VVV	443.0	0.15		66.4	ERSO	66.4	47.3	19.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
130	25.60	0.036	0.32	0.83	48	865	72	14 070	1 488.0	1967	68 05 - SUSP 68 05
18	52.56	0.058	0.20	0.82	64	865	71	13 900	1 500.2	1966	86 12 - GPP
35	47.88	0.087	0.19	0.88	35	860	71	14 820	1 497.8	1967	82 12 - GPP
5	104.21	0.074	0.17	0.85	54	855	68	14 620	1 523.1	1967	75 12 - GPP
10	24.23	0.100	0.17	0.89	30	876	68	14 200	1 449.6	1967	88 12 - GPP
17	90.09	0.079	0.16	0.86	42	860	69	14 890	1 496.6	1967	88 12 - SUSP 86 06
15	30.00	0.060	0.15	0.87	38	870	70	14 690	1 464.6	1967	85 12 - GPP
25	58.00	0.074	0.18	0.81	65	834	77	15 030	1 527.0	1967	70 06 - GPP
64	30.70	0.030	0.35	0.83	63	865	71	13 790	1 440.2	1967	83 12 - ABAND 87 02
28	23.79	0.046	0.24	0.82	69	876	66	13 760	1 434.1	1967	83 12 - GPP
18	34.14	0.080	0.25	0.83	33	881	69	13 690	1 433.2	1967	84 09 - SUSP 87 09
12	36.27	0.081	0.12	0.84	62	865	61	13 870	1 446.9	1967	75 08 - SUSP 84 06
11	74.83	0.085	0.12	0.81	73	855	72	14 520	1 512.4	1967	82 12 - GPP
7	53.07	0.070	0.18	0.86	43	870	68	14 030	1 495.7	1967	81 12
33	30.30	0.040	0.30	0.85	76	865	72	13 760	1 553.0	1967	83 12 - GPP
13	95.10	0.087	0.12	0.86	45	860	76	14 890	1 565.5	1967	82 12 - GPP
15	48.13	0.061	0.20	0.90	35	887	63	13 810	1 419.5	1967	86 12 - SUSP 86 01
33	56.11	0.070	0.12	0.89	30	865	69	14 450	1 460.9	1967	82 12 - GPP
28	87.17	0.071	0.11	0.83	58	839	78	15 170	1 529.2	1967	77 10 - GPP
55	41.92	0.060	0.17	0.83	63	865	73	14 380	1 485.6	1967	83 12 - GPP
21	42.43	0.030	0.30	0.83	60	860	71	13 790	1 469.7	1967	86 12 - GPP
22	25.30	0.074	0.15	0.80	74	849	78	13 930	1 561.2	1967	85 12 - GPP
15	29.30	0.042	0.30	0.85	35	865	71	13 790	1 452.4	1967	85 07 - GPP
4	86.87	0.065	0.11	0.87	45	865	71	14 510	1 538.3	1967	82 12 - GPP
7	25.32	0.100	0.08	0.92	26	881	64	14 030	1 428.0	1967	83 12 - SUSP 86 08
64	6.10	0.140	0.11	0.71	156	825	81	14 910	1 524.0	1967	85 12 - SUSP 84 02
20	36.97	0.120	0.08	0.77	88	829	76	15 130	1 553.0	1967	82 12 - SUSP 83 08
16	46.33	0.043	0.25	0.62	215	829	76	15 130	1 555.1	1967	85 08
15	97.11	0.074	0.10	0.81	72	829	80	15 410	1 550.5	1967	70 06 - GPP
13	53.64	0.073	0.11	0.80	72	829	78	14 820	1 536.5	1967	75 12 - GPP
57	31.39	0.063	0.15	0.83	64	865	71	13 510	1 451.5	1967	83 12 - GPP
5	102.40	0.080	0.11	0.85	53	855	72	14 940	1 528.6	1967	88 07 - GPP
23	43.30	0.055	0.14	0.85	49	865	73	13 790	1 479.2	1967	87 08
21	28.74	0.039	0.30	0.84	59	865	70	13 790	1 598.1	1967	86 12 - SUSP 85 07
26	91.74	0.075	0.10	0.83	58	855	77	14 930	1 509.4	1967	70 06
16	45.11	0.055	0.13	0.90	32	898	63	14 170	1 443.5	1967	84 12 - GPP
13	67.30	0.071	0.11	0.84	71	860	71	14 790	1 501.4	1967	82 12 - GPP
26	60.96	0.060	0.15	0.81	71	844	71	14 620	1 521.6	1967	70 02 - GPP - I.S. NO. 9
24	20.95	0.110	0.12	0.49	331	811	77	15 370	1 551.1	1967	83 12
10	108.81	0.074	0.10	0.79	74	834	79	14 960	1 583.1	1967	75 12 - GPP
3	91.00	0.105	0.13	0.83	57	855	80	14 690	1 565.8	1967	75 07 - GPP
72	17.37	0.065	0.28	0.81	65	860	76	14 240	1 573.4	1967	70 09 - WTR INJ 69 01
9	58.83	0.076	0.15	0.90	33	881	67	14 170	1 468.2	1967	88 12 - SUSP 86 01
21	36.27	0.064	0.22	0.85	52	865	70	13 380	1 443.8	1967	75 12 - GPP
6	47.64	0.085	0.20	0.87	35	865	71	13 650	1 454.7	1967	83 12 - GPP
3	82.20	0.045	0.35	0.89	45	860	83	14 340	1 524.6	1967	69 01 - SUSP 85 12
10	37.80	0.115	0.10	0.83	59	860	72	13 550	1 470.8	1967	82 12 - SUSP 82 03
10	43.20	0.080	0.25	0.89	38	881	64	14 000	1 427.7	1967	88 12 - GPP
21	45.14	0.070	0.20	0.88	30	865	72	14 550	1 451.5	1967	70 06
7	95.90	0.080	0.11	0.83	45	855	78	14 690	1 558.7	1967	85 12 - GPP
17	36.27	0.046	0.30	0.83	62	865	69	13 200	1 471.6	1967	76 01
12	86.52	0.070	0.20	0.86	47	865	69	14 890	1 484.4	1967	82 10 - GPP
17	69.49	0.073	0.15	0.80	72	844	80	15 690	1 532.2	1967	69 01 - GPP
19	50.35	0.074	0.19	0.93	28	881	67	13 930	1 453.9	1967	82 12 - SUSP 85 12
19	42.15	0.040	0.20	0.83	60	860	71	13 270	1 465.8	1967	70 02 - GPP
34	49.71	0.040	0.30	0.85	49	865	71	13 170	1 466.4	1967	82 12
20	70.26	0.077	0.17	0.70	145	829	73	15 200	1 548.7	1967	88 12 - GPP
6	26.60	0.080	0.25	0.83	41	860	73	14 650	1 547.2	1967	86 12 - SUSP 85 12
4	50.70	0.080	0.10	0.87	43	865	73	14 310	1 516.7	1967	69 01 - GPP
23	45.45	0.063	0.19	0.83	67	855	71	13 310	1 464.7	1967	70 02 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER WWW	393.0	0.20		78.6		78.6	26.2	52.4
KEG RIVER XXX	477.0	<0.08		34.8		34.8	34.8	
KEG RIVER YYY	337.0	0.35		118.0		118.0	86.6	31.4
KEG RIVER ZZZ	238.0	<0.13		29.2		29.2	29.2	
KEG RIVER A2A	341.0	0.35		119.0		119.0	102.0	17.0
KEG RIVER B2B	795.0	0.35		278.0		278.0	206.7	71.3
KEG RIVER C2C	165.0	<0.21		34.1		34.1	34.1	
KEG RIVER E2E	313.0	0.30		93.9		93.9	59.8	34.1
KEG RIVER F2F	310.0	<0.07		21.4		21.4	21.4	
KEG RIVER G2G	960.0	<0.13		122.0		122.0	122.0	
KEG RIVER H2H	305.0	<0.04		10.3		10.3	10.3	
KEG RIVER I2I	197.0	<0.24		46.1		46.1	46.1	
KEG RIVER J2J	286.0	0.30		85.8		85.8	66.5	19.3
KEG RIVER K2K	477.0	<0.02		6.5		6.5	6.5	
KEG RIVER L2L	143.0	<0.10		13.7		13.7	13.7	
KEG RIVER M2M	354.0	0.35		124.0		124.0	96.4	27.6
KEG RIVER N2N	461.0	0.30		138.0		138.0	131.0	7.0
KEG RIVER O2O	159.0	0.20		31.8		31.8	30.5	1.3
KEG RIVER P2P	350.0	0.30		105.0		105.0	84.9	20.1
KEG RIVER Q2Q	364.0	<0.12		42.7		42.7	42.7	
KEG RIVER R2R	255.0	0.30		76.5		76.5	17.9	58.6
KEG RIVER S2S	350.0	0.25		87.5		87.5	83.8	3.7
KEG RIVER T2T	91.9	0.25		23.0		23.0	17.7	5.3
KEG RIVER U2U	429.0	0.20		85.8		85.8	73.6	12.2
KEG RIVER V2V	124.0	0.20		24.8		24.8	9.8	15.0
KEG RIVER W2W	165.0	0.25		41.3		41.3	30.7	10.6
KEG RIVER X2X WATER FLOOD	547.0	0.32	0.23	175.0	126.0	301.0	246.1	54.9
KEG RIVER Y2Y	79.5	<0.02		1.0		1.0	1.0	
KEG RIVER Z2Z	477.0	0.20		95.4		95.4	77.8	17.6
KEG RIVER A3A	318.0	<0.12		37.8		37.8	37.8	
KEG RIVER B3B	251.0	<0.06		14.3		14.3	14.3	
KEG RIVER C3C	111.0	<0.23		25.3		25.3	25.3	
KEG RIVER D3D	257.0	0.30		77.2		77.2	65.3	11.9
KEG RIVER F3F	420.0	0.12		50.4		50.4	42.2	8.2
KEG RIVER G3G	106.0	0.15		15.9		15.9	9.1	6.8
KEG RIVER H3H	218.0	0.40		87.2		87.2	39.6	47.6
KEG RIVER I3I TOTAL	636.0			128.0	25.1	153.0	126.8	26.2
PRIMARY AREA	134.0	0.20		26.8		26.8		
WATER FLOOD AREA	502.0	0.20	0.05	101.0	25.1	126.0		
KEG RIVER J3J	222.0	0.15		33.3		33.3	27.0	6.3
KEG RIVER K3K WATER FLOOD	207.0	0.20	0.10	41.3	20.7	62.0	58.7	3.3
KEG RIVER L3L WATER FLOOD	159.0	0.20	0.15	31.8	23.9	55.7	48.1	7.6
KEG RIVER M3M	318.0	0.25		79.5		79.5	9.7	69.8
KEG RIVER N3N	302.0	<0.24		70.5		70.5	70.5	
KEG RIVER O3O	240.0	<0.06		13.9		13.9	13.9	
KEG RIVER P3P	477.0	<0.17		78.3		78.3	78.3	
KEG RIVER Q3Q	267.0	0.15		40.0		40.0	30.5	9.5
KEG RIVER R3R	306.0	0.35		107.0		107.0	84.8	22.2
KEG RIVER S3S	222.0	0.35		77.7		77.7	70.1	7.6
KEG RIVER T3T	243.0	<0.07		15.2		15.2	15.2	
KEG RIVER U3U	20.5	<0.26		5.3		5.3	5.3	
KEG RIVER W3W WATER FLOOD	524.0	0.26	0.09	136.0	47.2	183.0	151.6	31.4
KEG RIVER X3X	253.0	<0.02		3.9		3.9	3.9	
KEG RIVER Y3Y	238.0	<0.06		12.2		12.2	12.2	
KEG RIVER Z3Z	477.0	0.35		167.0		167.0	137.6	29.4
KEG RIVER A4A	47.7	<0.01		0.4		0.4	0.4	
KEG RIVER B4B	63.6	<0.18		11.3		11.3	11.3	
KEG RIVER C4C	323.0	<0.13		41.0		41.0	41.0	
KEG RIVER D4D	140.0	<0.11		15.0		15.0	15.0	
KEG RIVER E4E	415.0	0.12		49.8		49.8	42.4	7.4
KEG RIVER F4F	79.5	0.25		19.9		19.9	16.7	3.2
KEG RIVER G4G	370.0	<0.09		31.2		31.2	31.2	
KEG RIVER H4H	381.0	0.15		57.2		57.2	48.9	8.3
KEG RIVER I4I	222.0	0.20		44.4		44.4	39.3	5.1
KEG RIVER J4J	397.0	0.05		19.9		19.9	10.3	9.6
KEG RIVER K4K	159.0	0.20		31.8		31.8	28.1	3.7
KEG RIVER L4L	650.0	0.40		260.0		260.0	152.0	108.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
17	37.73	0.080	0.15	0.90	34	887	63	13 890	1 417.3	1968	86 09
21	57.30	0.059	0.23	0.87	42	881	67	13 580	1 460.6	1968	86 12 - SUSP 85 05
15	42.03	0.074	0.16	0.86	43	876	71	13 450	1 449.9	1968	88 12
20	22.80	0.070	0.17	0.90	28	881	63	14 170	1 426.9	1968	86 12 - SUSP 85 11
35	25.09	0.060	0.20	0.81	74	849	71	13 450	1 462.0	1968	85 12
17	53.04	0.120	0.15	0.85	56	855	68	14 640	1 490.2	1968	69 04 - GPP
17	40.87	0.040	0.25	0.81	71	860	71	12 820	1 474.6	1968	84 12 - SUSP 83 09
16	30.48	0.085	0.17	0.90	32	904	63	13 670	1 417.3	1968	70 02 - GPP
23	36.79	0.055	0.24	0.86	46	865	68	13 650	1 443.5	1968	74 12 - SUSP 74 09
28	57.42	0.085	0.13	0.81	71	844	76	14 190	1 510.3	1968	83 07 - SUSP 85 03
15	38.10	0.078	0.17	0.85	52	865	70	13 580	1 448.1	1968	74 12 - SUSP 74 10
18	27.10	0.065	0.20	0.77	95	825	80	14 760	1 557.2	1968	70 02 - SUSP 85 10
14	31.39	0.087	0.14	0.86	47	870	69	14 450	1 487.4	1968	69 03 - GPP
63	19.57	0.054	0.20	0.89	37	892	61	13 650	1 413.1	1968	73 02 - SUSP 72 04
16	38.10	0.040	0.30	0.83	66	865	68	12 650	1 453.0	1968	78 10 - SUSP 75 11
13	47.64	0.075	0.15	0.90	38	881	61	13 930	1 436.8	1968	70 02 - GPP
12	57.82	0.094	0.15	0.85	59	860	68	14 380	1 459.4	1968	70 02 - GPP
15	15.67	0.100	0.14	0.79	84	870	73	14 590	1 525.8	1968	71 06 - GPP
11	47.85	0.094	0.16	0.88	38	865	69	14 000	1 449.6	1968	71 07 - GPP
17	70.90	0.045	0.20	0.82	66	860	74	11 650	1 492.9	1968	82 12 - SUSP 80 10
17	29.80	0.080	0.12	0.72	115	825	66	14 960	1 560.9	1968	84 09
6	98.70	0.080	0.11	0.83	50	870	77	14 300	1 537.1	1968	86 12 - GPP
7	22.34	0.075	0.11	0.88	35	867	67	13 280	1 474.6	1968	83 12
10	53.77	0.105	0.13	0.90	26	876	68	13 880	1 451.5	1968	79 06
13	24.90	0.060	0.25	0.85	55	865	71	13 130	1 434.4	1968	85 04 - GPP
15	32.95	0.054	0.25	0.83	59	865	70	11 510	1 463.3	1968	84 12 - GPP
34	31.21	0.075	0.13	0.80	78	844	76	12 580	1 494.1	1968	84 12 - GPP - I.S. NO. 9
5	23.73	0.110	0.30	0.87	48	860	71	11 910	1 521.9	1968	69 11 - SUSP 69 10
17	30.23	0.120	0.15	0.91	26	887	64	13 490	1 428.6	1968	83 12
35	29.50	0.045	0.20	0.86	53	865	72	13 530	1 454.2	1967	82 12 - SUSP 84 08
17	36.27	0.060	0.20	0.85	52	865	70	12 310	1 454.5	1968	74 12 - ABAND 79 01
8	25.27	0.078	0.20	0.88	35	887	71	14 210	1 498.7	1968	83 12 - SUSP 81 01
16	35.17	0.065	0.15	0.84	59	860	74	14 020	1 459.4	1969	70 09 - GPP
15	28.83	0.120	0.10	0.90	39	898	61	12 940	1 400.9	1969	87 12 - GPP
11	16.95	0.075	0.15	0.90	34	887	63	13 500	1 406.7	1969	86 12 - GPP
5	91.74	0.070	0.21	0.86	46	865	71	15 090	1 535.0	1969	84 09 - GPP
117					63	865	72	13 000	1 433.2	1968	88 01 - GPP
64	22.47	0.017	0.34	0.83							
53	23.77	0.060	0.20	0.83							
8	31.21	0.122	0.13	0.83	63	860	71	13 670	1 456.3	1967	83 12
8	43.74	0.079	0.12	0.84	61	865	71	13 700	1 454.5	1967	75 08 - GPP
12	37.83	0.052	0.18	0.84	55	865	71	13 330	1 442.9	1967	86 12 - GPP
19	24.78	0.090	0.12	0.87	35	865	71	13 460	1 435.9	1969	70 01
10	58.30	0.071	0.11	0.82	62	865	69	13 460	1 501.7	1969	84 12 - SUSP 84 12
9	55.41	0.079	0.25	0.82	71	855	68	13 410	1 476.8	1968	77 04 - SUSP 77 01
10	80.13	0.092	0.18	0.78	78	855	72	14 620	1 583.1	1968	88 12 - SUSP 86 03
16	42.98	0.065	0.27	0.83	57	870	71	12 350	1 435.6	1969	73 05 - SUSP 87 01
12	44.10	0.080	0.15	0.85	56	860	67	13 800	1 451.5	1969	87 12
11	23.16	0.112	0.12	0.86	52	887	77	13 650	1 481.3	1969	83 12 - GPP
14	65.53	0.045	0.23	0.76	94	834	73	14 910	1 533.8	1969	75 12 - SUSP 74 10
1	35.90	0.079	0.16	0.86	46	860	71	9 360	1 500.2	1969	73 02 - SUSP 72 05
7	73.00	0.139	0.09	0.78	85	855	69	13 400	1 520.3	1969	82 12 - GPP
6	65.84	0.092	0.17	0.84	60	854	71	8 560	1 524.0	1969	86 12 - SUSP 85 12
12	50.17	0.055	0.20	0.89	30	881	70	13 380	1 473.1	1969	74 12 - SUSP 74 07
15	58.95	0.086	0.15	0.76	94	829	79	15 010	1 522.5	1969	86 12 - GPP
11	9.69	0.068	0.15	0.81	60	855	71	13 110	1 639.5	1969	70 10 - SUSP 70 01
5	26.97	0.077	0.25	0.84	58	855	77	15 180	1 639.5	1969	78 07 - ABAND 85 07
14	44.84	0.080	0.17	0.79	89	860	71	13 450	1 510.9	1969	82 12 - SUSP 83 04
13	32.34	0.050	0.20	0.81	69	860	69	12 820	1 477.4	1968	70 02 - ABAND 72 05
20	30.48	0.090	0.15	0.88	35	870	69	11 420	1 449.6	1970	86 06 - GPP
19	23.16	0.030	0.30	0.86	46	865	72	13 730	1 448.1	1967	85 08 - SUSP 87 05
7	68.12	0.100	0.10	0.88	35	860	67	12 470	1 469.7	1971	81 12 - SUSP 84 04
14	45.42	0.084	0.18	0.90	29	898	59	12 910	1 428.3	1971	86 12 - GPP
12	41.45	0.065	0.22	0.90	38	887	62	13 370	1 414.9	1971	88 12 - GPP
10	44.50	0.110	0.09	0.89	41	898	62	12 410	1 424.6	1971	76 06
12	31.09	0.060	0.18	0.89	41	898	62	12 240	1 420.4	1971	82 12 - GPP
42	30.20	0.069	0.12	0.84	61	855	70	13 220	1 525.8	1971	88 08

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ZAMA 117-04W6 (CONTINUED)								
KEG RIVER M4M	210.0	<0.07		13.9		13.9	13.9	
KEG RIVER N4N	191.0	0.20		38.2		38.2	30.0	8.2
KEG RIVER O4O	143.0	<0.13		18.3		18.3	18.3	
KEG RIVER P4P	159.0	0.35		55.6		55.6	45.4	10.2
KEG RIVER Q4Q	143.0	<0.15		20.1		20.1	20.1	
KEG RIVER R4R	267.0	0.07		18.7		18.7	18.7	
KEG RIVER S4S	270.0	0.08		21.6		21.6	19.3	2.3
KEG RIVER T4T	318.0	0.40		127.0		127.0	104.6	22.4
KEG RIVER U4U	318.0	0.35		111.0		111.0	85.5	25.5
KEG RIVER V4V	95.3	<0.12		10.7		10.7	10.7	
KEG RIVER W4W	95.3	0.30		28.6		28.6	22.8	5.8
KEG RIVER X4X	424.0	0.15		63.6		63.6	37.9	25.7
KEG RIVER Y4Y	26.8	0.30		8.0		8.0	7.0	1.0
KEG RIVER Z4Z	232.0	<0.09		20.3		20.3	20.3	
KEG RIVER A5A	874.0	0.20		175.0		175.0	120.4	54.6
KEG RIVER B5B	159.0	<0.13		20.1		20.1	20.1	
KEG RIVER C5C	259.0	0.40		104.0		104.0	58.3	45.7
KEG RIVER D5D	300.0	0.35		105.0		105.0	43.6	61.4
KEG RIVER E5E	425.0	<0.01		0.1		0.1	0.1	
KEG RIVER F5F	181.0	0.20		36.2		36.2	10.2	26.0
KEG RIVER G5G	350.0	0.10		35.0		35.0	17.5	17.5
KEG RIVER H5H	267.0	0.03		8.0		8.0	2.8	5.2
KEG RIVER I5I	322.0	0.20		64.4		64.4	44.5	19.9
KEG RIVER J5J	340.0	0.10		34.0		34.0	12.8	21.2
KEG RIVER K5K	612.0	<0.01		4.2		4.2	4.2	
KEG RIVER L5L	285.0	0.35		100.0		100.0	26.7	73.3
KEG RIVER M5M	223.0	0.20		44.6		44.6	8.6	36.0
KEG RIVER N5N	233.0	0.25		58.3		58.3	18.5	39.8
KEG RIVER O5O	206.0	0.15		30.9		30.9	3.8	27.1
KEG RIVER P5P	3 730.0	0.20		746.0		746.0	30.1	715.9
KEG RIVER Q5Q	1 640.0	0.30		492.0		492.0	8.7	483.3
KEG RIVER R5R	485.0	<0.01		4.4		4.4	4.4	
KEG RIVER S5S	317.0	0.25		79.3		79.3	11.5	67.8
KEG RIVER T5T	694.0	<0.01		1.5		1.5	1.5	
KEG RIVER U5U	649.0	0.20		130.0		130.0	10.2	119.8
KEG RIVER V5V	1 580.0	<0.01		6.9		6.9	6.9	
KEG RIVER W5W	260.0	0.15		39.0		39.0	13.1	25.9
KEG RIVER X5X	150.0	0.25		37.5		37.5	13.7	23.8
KEG RIVER Y5Y	300.0	0.30		90.0		90.0	26.0	64.0
KEG RIVER Z5Z	283.0	0.30		84.9		84.9	20.8	64.1
KEG RIVER A6A	215.0	0.30		64.5		64.5	18.1	46.4
KEG RIVER B6B	85.1	<0.04		3.1		3.1	3.1	
KEG RIVER C6C	186.0	<0.02		3.1		3.1	3.1	
KEG RIVER D6D	236.0	<0.01		1.9		1.9	1.9	
KEG RIVER E6E	350.0	0.30		105.0		105.0	17.7	87.3
KEG RIVER F6F	271.0	0.25		67.8		67.8	15.5	52.3
KEG RIVER G6G	190.0	0.25		47.5		47.5	6.7	40.8
KEG RIVER H6H	301.0	<0.01		2.1		2.1	2.1	
KEG RIVER I6I	730.0	0.30		219.0		219.0	17.0	202.0
KEG RIVER J6J	150.0	0.05		7.5		7.5	3.2	4.3
KEG RIVER K6K	140.0	0.20		28.0		28.0	4.1	23.9
KEG RIVER L6L	117.0	0.15		17.6		17.6	1.2	16.4
KEG RIVER N6N	500.0	0.25		122.5		122.5	16.3	106.2
KEG RIVER O6O	250.0	0.25		62.5		62.5	7.5	55.0
KEG RIVER P6P	455.0	0.25		114.0		114.0	14.7	99.3
KEG RIVER O6O WATER FLOOD	251.0	0.25	0.10	62.8	25.1	87.9	84.3	3.6
KEG RIVER R6R	130.0	0.25		33.0		33.0	10.9	22.1
KEG RIVER S6S	400.0	0.20		80.0		80.0	6.8	73.2
KEG RIVER T6T	300.0	0.25		75.0		75.0	10.3	64.7
KEG RIVER U6U	673.0	0.25		168.0		168.0	13.3	154.7
KEG RIVER V6V	697.0	0.30		209.0		209.0	9.6	199.4
UNDEFINED AND CONFIDENTIAL POOLS	144 027.4			19 399.7		19 399.7	1 946.9	17 478.6
TOTAL LIGHT-MEDIUM CRUDE OIL	6 858 035.8			1 443 117.9	632 043.5	2 075 165.6	1 535 343.3	539 848.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
11	56.28	0.061	0.33	0.83	64	855	81	13 510	1 547.8	1971	81 09 - ABAND 87 11
7	39.81	0.086	0.15	0.90	35	881	61	9 410	1 423.4	1971	82 12 - GPP
9	26.67	0.075	0.12	0.90	35	898	61	23 310	1 416.4	1971	83 12 - SUSP 84 10
6	39.35	0.085	0.13	0.90	35	892	61	13 820	1 414.6	1971	72 09
10	22.82	0.080	0.12	0.89	36	887	63	13 510	1 420.7	1971	83 12 - SUSP 83 04
9	36.60	0.100	0.10	0.90	35	904	61	13 450	1 419.1	1971	82 12 - SUSP 80 03
10	31.09	0.120	0.17	0.90	36	887	62	21 860	1 418.5	1972	87 12 - GPP
7	88.70	0.075	0.11	0.78	83	829	77	15 750	1 547.5	1971	75 05 - GPP
21	24.78	0.080	0.11	0.84	59	855	69	12 460	1 486.2	1972	84 12
4	73.75	0.047	0.21	0.87	47	849	72	14 210	1 510.9	1972	81 08 - SUSP 82 07
3	42.95	0.100	0.15	0.87	47	876	71	14 650	1 481.6	1972	75 04 - GPP
12	52.55	0.090	0.10	0.85	60	865	45	7 490	1 519.7	1972	82 12
2	39.32	0.050	0.18	0.83	58	829	74	15 880	1 561.2	1972	86 12 - SUSP 87 09
25	24.99	0.055	0.12	0.78	89	834	72	13 610	1 550.5	1971	73 11 - SUSP 85 02
15	77.54	0.099	0.08	0.85	53	876	69	12 270	1 454.5	1973	86 12 - GPP
7	55.47	0.065	0.16	0.78	89	811	82	14 710	1 553.0	1973	86 12 - SUSP 86 01
7	44.81	0.105	0.09	0.88	27	876	69	5 320	1 444.6	1974	75 04
11	52.80	0.075	0.14	0.80	71	825	88	14 890	1 581.3	1974	83 06
64	17.32	0.060	0.23	0.83	69	860	56	13 540	1 467.0	1978	82 12 - SUSP 79 04
64	9.00	0.050	0.25	0.84	50	861	60	13 550	1 608.5	1978	79 08 - GPP
40	20.50	0.060	0.20	0.89	52	879	80	13 445	1 451.3	1981	86 12 - GPP
8	75.50	0.070	0.20	0.79	76	855	66	13 509	1 487.1	1981	88 12 - GPP
8	67.55	0.100	0.15	0.70	120	842	81	11 760	1 553.1	1981	83 12 - GPP
19	51.30	0.050	0.16	0.83	62	860	51	12 885	1 508.8	1982	86 12 - GPP
64	28.50	0.050	0.14	0.78	83	831	78	14 984	1 586.8	1982	86 12 - SUSP 85 04
13	26.00	0.120	0.21	0.89	36	894	61	6 135	1 435.0	1982	84 06
16	23.00	0.080	0.15	0.89	36	911	61	12 819	1 406.5	1983	85 07 - SUSP 87 07
40	15.26	0.050	0.08	0.83	60	853	73	13 682	1 527.0	1983	86 06
25	17.60	0.060	0.12	0.89	31	906	66	13 650	1 412.4	1983	85 07
64	55.00	0.140	0.10	0.84	55	32	71	13 965	1 456.6	1984	84 08
64	68.70	0.060	0.25	0.83	60	830	71	13 640	1 500.0	1984	84 08 - GPP
64	21.00	0.050	0.18	0.88	42	854	69	15 891	1 567.5	1984	84 08 - ABAND 86 09
8	54.60	0.100	0.15	0.83	58	858	74	14 475	1 629.7	1983	86 03 - SUSP 86 11
64	17.50	0.080	0.10	0.86	43	881	66	13 503	1 512.0	1983	86 12 - SUSP 85 06
64	29.80	0.050	0.16	0.81	73	856	69	14 900	1 533.8	1983	84 11
64	37.75	0.080	0.12	0.93	51	874	77	14 316	1 470.8	1983	88 12 - SUSP 86 08
64	16.60	0.035	0.22	0.90	32	901	52	13 447	1 425.7	1983	85 01
14	38.40	0.050	0.32	0.82	39	864	71	10 438	1 590.4	1984	86 01
35	25.27	0.047	0.18	0.88	42	858	69	10 654	1 462.2	1984	86 06
19	32.10	0.065	0.14	0.83	74	865	70	13 676	1 458.4	1984	86 06
30	23.70	0.043	0.10	0.78	89	855	71	13 699	1 528.7	1984	86 05
38	16.05	0.023	0.26	0.82	64	863	71	13 328	1 449.0	1984	86 06 - ABAND 86 03
21	28.99	0.046	0.18	0.81	73	856	69	15 076	1 571.9	1984	86 06 - SUSP 86 01
36	16.91	0.055	0.13	0.81	73	846	69	13 133	1 547.2	1984	88 12 - SUSP 86 09
6	51.90	0.150	0.12	0.85	49	865	65	13 473	1 471.3	1985	86 04
22	27.76	0.060	0.15	0.87	38	882	73	10 498	1 621.5	1985	86 06
17	35.87	0.047	0.22	0.85	49	878	73	13 120	1 555.0	1985	86 06
64	16.50	0.046	0.27	0.85	51	885	66	12 389	1 424.3	1972	88 12 - SUSP 86 07
17	75.11	0.083	0.18	0.84	55	865	71	12 544	1 479.8	1985	86 06
22	27.65	0.046	0.33	0.80	84	869	73	15 424	1 602.4	1985	87 12
8	31.57	0.070	0.10	0.88	33	878	69	13 072	1 428.6	1985	87 01 - SUSP 87 08
64	8.50	0.040	0.35	0.83	55	823	62	13 279	1 473.3	1985	86 06
28	30.60	0.080	0.15	0.86	41	855	70	14 107	1 575.0	1986	87 02
26	23.46	0.064	0.18	0.78	79	834	79	13 476	1 579.5	1986	86 09
28	35.42	0.062	0.16	0.88	34	850	72	14 288	1 543.8	1986	86 10
11	59.00	0.059	0.20	0.82	64	865	71	13 160	1 485.9	1967	86 12 - GPP
16	23.00	0.050	0.14	0.82	64	865	71	14 728	1 495.5	1985	86 12
17	37.01	0.086	0.16	0.88	33	881	69	14 764	1 491.3	1986	87 02
19	32.63	0.072	0.20	0.84	54	868	71	13 941	1 439.3	1986	87 02
64	30.50	0.057	0.28	0.84	62	876	71	11 000	1 430.8	1987	87 09
64	15.50	0.102	0.18	0.84	54	870	71	14 162	1 494.3	1987	87 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ALDERSON 015-11W4								
UPPER MANNVILLE A	107.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B	154.0	0.10		15.4		15.4	11.0	4.4
UPPER MANNVILLE C	455.0	0.15		68.3		68.3	33.1	35.2
UPPER MANNVILLE D WATER FLOOD	1 100.0	0.12	0.13	132.0	143.0	275.0	121.2	153.8
UPPER MANNVILLE F	205.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE G	928.0	<0.01		1.7		1.7	1.7	
UPPER MANNVILLE I	376.0	0.04		15.0		15.0	11.1	3.9
UPPER MANNVILLE J	289.0	0.05		14.5		14.5	9.4	5.1
UPPER MANNVILLE L	180.0	0.10		18.0		18.0	14.2	3.8
UPPER MANNVILLE R WATER FLOOD	575.0	0.15	0.15	86.3	86.2	173.0	98.6	74.4
UPPER MANNVILLE S WATER FLOOD	500.0	0.10	0.13	50.0	65.0	115.0	70.7	44.3
UPPER MANNVILLE T	186.0	0.10		18.6		18.6	13.3	5.3
UPPER MANNVILLE U	213.0	0.05		10.7		10.7	8.8	1.9
UPPER MANNVILLE Y	599.0	0.10		59.9		59.9	48.6	11.3
UPPER MANNVILLE Z WATER FLOOD	1 200.0	0.10	0.20	120.0	240.0	360.0	192.9	167.1
UPPER MANNVILLE AA	179.0	0.15		26.9		26.9	12.8	14.1
UPPER MANNVILLE BB	146.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE CC	99.8	0.15		15.0		15.0	8.6	6.4
UPPER MANNVILLE DD	200.0	0.15		30.0		30.0	13.7	16.0
UPPER MANNVILLE EE	127.4	0.15		19.1		19.1	9.7	9.4
UPPER MANNVILLE GG	105.0	<0.02		1.7		1.7	1.7	
UPPER MANNVILLE HH	124.0	0.05		6.2		6.2	4.0	2.2
UPPER MANNVILLE KK	276.0	0.10		27.6		27.6	8.6	19.0
UPPER MANNVILLE LL	87.0	0.10		8.7		8.7	6.4	2.3
UPPER MANNVILLE MM	119.0	0.05		6.0		6.0	0.3	5.7
UPPER MANNVILLE NN	109.0	<0.02		1.4		1.4	1.4	
UPPER MANNVILLE RR	131.0	0.01		1.3		1.3	0.1	1.2
UPPER MANNVILLE SS	650.0	0.15		97.5		97.5	50.6	46.9
UPPER MANNVILLE TT	42.1	0.10		4.2		4.2	2.6	1.6
UPPER MANNVILLE UU	113.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE WW	194.0	0.10		19.4		19.4	4.7	14.7
UPPER MANNVILLE XX	140.0	0.15		21.0		21.0	12.2	8.8
UPPER MANNVILLE YY	1 090.0	0.07		76.3		76.3	53.4	22.9
UPPER MANNVILLE H & ZZ	127.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE AAA	65.4	0.10		6.5		6.5	0.9	5.6
UPPER MANNVILLE BBB	25.5	0.12		3.1		3.1	1.8	1.3
UPPER MANNVILLE FFF	100.0	0.10		10.0		10.0	3.5	6.5
UPPER MANNVILLE GGG	42.2	0.10		4.2		4.2	2.3	1.9
UPPER MANNVILLE HHH	76.6	0.10		7.7		7.7	1.5	6.2
UPPER MANNVILLE III	26.1	0.10		2.6		2.6	0.1	2.5
UPPER MANNVILLE JJJ	24.2	0.10		2.4		2.4		2.4
LOWER MANNVILLE A	719.0	0.20		144.0		144.0	119.9	24.1
LOWER MANNVILLE B WATER FLOOD	367.0	0.15		55.0	55.0	110.0	88.5	21.5
LOWER MANNVILLE D WATER FLOOD	1 000.0	0.15	0.05	150.0	50.0	200.0	160.2	39.8
LOWER MANNVILLE E	173.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE F	1 501.0	0.07		105.0		105.0	71.3	33.7
LOWER MANNVILLE H	677.0	0.07		47.4		47.4	37.9	9.5
LOWER MANNVILLE J	817.0	0.05		40.9		40.9	32.8	8.1
LOWER MANNVILLE K	1 330.0	0.10		133.0		133.0	76.0	57.0
LOWER MANNVILLE L	238.0	0.10		23.8		23.8	16.8	7.0
LOWER MANNVILLE M	49.5	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	84.9	0.15		12.7		12.7	8.1	4.6
LOWER MANNVILLE O	411.0	0.10		41.1		41.1	14.9	26.2
LOWER MANNVILLE P	82.0	0.10		8.2		8.2	0.4	7.8
LOWER MANNVILLE Q	455.0	0.05		22.8		22.8	9.2	13.6
LOWER MANNVILLE R	59.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE S	43.4	<0.07		2.7		2.7	2.7	
LOWER MANNVILLE U	111.0	0.10		11.1		11.1	6.4	4.7
LOWER MANNVILLE W	261.0	0.05		13.1		13.1	5.5	7.6
LOWER MANNVILLE X	165.0	0.10		16.5		16.5	8.3	8.2
LOWER MANNVILLE Y	84.2	0.10		8.4		8.4	3.6	4.8
LOWER MANNVILLE Z	288.0	0.10		28.8		28.8	20.7	8.1
LOWER MANNVILLE AA	604.0	0.03		18.1		18.1	3.7	14.4
LOWER MANNVILLE BB	639.0	0.05		32.0		32.0	20.9	11.1
LOWER MANNVILLE DD	94.1	0.10		9.4		9.4	1.2	8.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	1.22	0.220	0.30	0.88	41	910	32	11 500	991.8	1970	70 01 - SUSP 70 11
65	1.52	0.240	0.26	0.88	41	946	32	10 900	994.3	1969	87 12 - GPP
253	1.14	0.230	0.22	0.88	50	928	30	11 090	1 014.2	1971	85 12
316	3.00	0.220	0.42	0.91	54	898	33	10 560	952.5	1970	88 03 - GPP
65	2.44	0.230	0.36	0.88	43	965	32	10 860	987.2	1972	78 03 - SUSP 78 01
65	11.58	0.210	0.33	0.88	53	898	32	11 340	1 021.4	1973	83 12 - SUSP 83 10
170	1.81	0.190	0.27	0.88	50	876	31	10 870	979.9	1973	85 12 - GPP
64	4.31	0.170	0.30	0.88	57	921	31	11 270	1 050.3	1976	85 12
64	2.00	0.200	0.20	0.88	53	865	34	10 955	987.9	1972	83 06
64	5.48	0.230	0.20	0.89	72	890	31	11 030	1 030.1	1978	86 06
60	4.30	0.270	0.17	0.86	99	887	31	11 070	1 027.9	1978	84 03 - GPP
83	1.60	0.210	0.23	0.87	54	887	28	9 970	1 015.7	1979	84 07 - GPP
64	3.00	0.180	0.30	0.88	58	900	30	10 424	1 000.2	1980	80 05
32	10.90	0.260	0.25	0.88	69	882	28	11 315	1 032.9	1980	83 09
117	6.21	0.240	0.15	0.81	39	891	33	11 376	1 024.0	1979	85 02 - GPP
32	3.40	0.220	0.15	0.88	68	887	34	11 060	1 026.6	1978	88 12
32	3.00	0.220	0.23	0.90	48	925	31	9 698	1 018.0	1980	86 12 - SUSP 81 10
48	1.30	0.230	0.21	0.88	62	897	30	10 650	1 036.0	1980	87 12
90	2.00	0.180	0.30	0.88	45	874	34	10 154	1 011.5	1980	86 12
32	2.00	0.260	0.13	0.88	48	856	32	10 506	1 014.0	1980	88 12
32	3.60	0.160	0.35	0.88	68	888	31	11 483	1 029.4	1980	83 12 - SUSP 81 10
64	1.80	0.170	0.28	0.88	41	904	35	10 833	1 012.9	1974	82 02
96	2.30	0.200	0.29	0.88	49	868	31	11 320	994.4	1981	83 06 - GPP
16	4.00	0.220	0.30	0.88	50	930	32	10 096	995.0	1982	85 12
16	6.50	0.200	0.35	0.88	51	934	32	10 315	965.0	1982	83 06
16	4.70	0.220	0.25	0.88	52	925	29	10 828	1 026.0	1981	88 12 - SUSP 86 08
32	4.30	0.180	0.40	0.88	50	888	31	8 190	990.2	1983	85 12 - SUSP 87 06
100	6.88	0.150	0.30	0.90	39	885	33	11 108	1 029.7	1979	88 12
16	2.50	0.180	0.35	0.90	39	885	33	11 051	1 023.8	1979	83 12
32	2.00	0.250	0.20	0.88	50	892	29	9 825	1 017.3	1983	86 12 - SUSP 84 10
64	2.57	0.220	0.39	0.88	50	895	28	9 372	963.1	1984	86 04
54	2.72	0.180	0.40	0.88	50	871	30	10 962	974.1	1984	87 12
65	8.23	0.300	0.20	0.85	57	898	32	11 163	1 008.9	1971	87 12 - GPP
64	1.82	0.202	0.40	0.90	27	946	32	11 916	961.8	1974	85 06 - ABAND 85 09
16	3.30	0.210	0.33	0.88	51	921	30	10 510	959.0	1985	85 12
16	1.30	0.200	0.32	0.90	39	888	30	10 975	1 002.4	1985	87 12
16	4.00	0.270	0.34	0.88	35	966	30	11 035	920.5	1986	87 10
16	2.20	0.189	0.28	0.88	42	886	33	10 431	1 009.0	1987	88 06
16	2.50	0.259	0.16	0.88	42	910	33	9 507	1 026.3	1987	88 06
16	1.00	0.235	0.27	0.95	35	964	29	9 423	921.2	1987	88 06
16	2.00	0.140	0.40	0.90	42	910	33	11 554	967.0	1987	88 07
228	2.56	0.200	0.30	0.88	41	904	32	10 200	924.8	1962	88 12 - GPP
136	2.46	0.210	0.42	0.90	41	904	31	10 430	945.8	1964	88 01 - GPP
432	1.80	0.220	0.35	0.90	41	904	29	10 500	942.1	1964	88 01 - GPP
65	2.74	0.170	0.35	0.88	41	881	32	11 030	1 008.6	1970	71 03 - ABAND 71 10
329	3.05	0.250	0.32	0.88	53	876	30	10 490	975.7	1971	87 12 - GPP
65	6.10	0.300	0.35	0.88	54	904	32	10 480	963.5	1969	85 12 - GPP
128	4.63	0.224	0.30	0.88	53	855	36	11 280	1 026.9	1972	82 12
266	3.43	0.267	0.36	0.85	59	898	29	10 540	973.5	1977	84 12
64	3.50	0.169	0.30	0.90	60	892	29	10 540	961.3	1979	85 06 - GPP
32	2.00	0.150	0.40	0.86	64	888	35	9 881	1 052.0	1979	83 12 - SUSP 80 08
32	2.10	0.210	0.32	0.88	58	888	30	10 100	1 047.7	1979	88 12
192	1.81	0.190	0.31	0.90	40	912	32	10 655	968.8	1980	83 05
64	1.80	0.160	0.50	0.89	50	912	31	11 728	985.3	1970	83 12 - SUSP 87 12
32	13.20	0.210	0.43	0.90	34	939	34	11 192	1 016.9	1980	81 09
16	3.60	0.190	0.40	0.90	43	939	34	10 421	1 024.8	1981	82 03 - SUSP 83 05
32	2.00	0.110	0.30	0.88	58	878	29	10 678	1 049.5	1981	88 12 - SUSP 86 07
16	5.70	0.190	0.29	0.90	40	914	34	11 177	1 050.4	1981	84 10 - GPP
32	8.00	0.210	0.46	0.90	41	923	28	10 238	961.0	1981	82 09
32	6.60	0.160	0.44	0.87	65	890	31	9 950	1 043.4	1981	84 11
16	5.00	0.180	0.35	0.90	41	897	31	10 969	1 029.9	1982	82 12 - GPP
128	2.49	0.176	0.41	0.90	41	917	31	10 367	937.3	1982	84 12
64	7.53	0.220	0.40	0.95	24	930	33	10 411	963.7	1982	85 12
64	7.70	0.210	0.35	0.95	19	908	32	10 374	968.4	1982	88 08
32	4.43	0.150	0.48	0.85	67	875	32	10 103	1 032.0	1982	84 11 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10³m³	frac	frac	10³m³	10³m³	10³m³	10³m³	10³m³
ALDERSON 015-11W4 (CONTINUED)								
LOWER MANNVILLE EE	102.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE FF	35.4	0.15		5.3		5.3	2.2	3.1
LOWER MANNVILLE GG	92.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE HH	200.0	0.05		10.0		10.0	7.2	2.8
LOWER MANNVILLE II	68.4	<0.02		0.8		0.8	0.8	
LOWER MANNVILLE JJ	210.0	0.05		10.5		10.5	6.1	4.4
LOWER MANNVILLE KK	243.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE LL	99.5	0.10		10.0		10.0	3.4	6.6
LOWER MANNVILLE MM	544.0	0.10		54.4		54.4	13.7	40.7
LOWER MANNVILLE NN	165.0	0.10		16.5		16.5	3.5	13.0
LOWER MANNVILLE OO	46.7	0.10		4.7		4.7	0.4	4.3
LOWER MANNVILLE PP	148.0	0.02		3.0		3.0	0.6	2.4
LOWER MANNVILLE QQ	1 800.0	0.17		306.0		306.0	122.8	183.2
LOWER MANNVILLE SS	44.4	0.15		6.7		6.7	3.6	3.1
LOWER MANNVILLE TT	56.4	0.15		8.5		8.5	7.8	0.7
LOWER MANNVILLE UU	114.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE VV	103.0	0.10		10.3		10.3	5.7	4.6
LOWER MANNVILLE WW	67.3	0.10		6.7		6.7	4.5	2.2
LOWER MANNVILLE XX	43.4	0.10		4.3		4.3	0.4	3.9
LOWER MANNVILLE YY	41.8	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE ZZ	76.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE AAA	538.0	0.15		80.7		80.7	65.6	15.1
LOWER MANNVILLE BBB	31.7	<0.03		0.9		0.9	0.9	
LOWER MANNVILLE CCC	54.1	0.10		5.4		5.4	4.5	0.9
LOWER MANNVILLE DDD	28.6	0.10		2.9		2.9	2.4	0.5
LOWER MANNVILLE EEE	10.3	<0.03		0.3		0.3	0.3	
LOWER MANNVILLE FFF	44.4	0.10		4.4		4.4	0.4	4.0
LOWER MANNVILLE HHH	32.5	0.10		3.3		3.3	2.5	0.8
LOWER MANNVILLE III	25.7	0.10		2.6		2.6	1.1	1.5
LOWER MANNVILLE KKK	27.9	0.10		2.8		2.8	1.8	1.0
LOWER MANNVILLE MMM	76.0	0.05		3.8		3.8	1.5	2.3
LOWER MANNVILLE OOO	13.2	<0.02		0.2		0.2	0.2	
LOWER MANNVILLE QQQ	51.3	0.10		5.1		5.1	3.2	1.9
LOWER MANNVILLE RRR	46.3	0.10		4.6		4.6	0.3	4.3
LOWER MANNVILLE SSS	189.0	0.10		18.9		18.9	6.2	12.7
LOWER MANNVILLE TTT	47.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE UUU	180.0	0.03		5.4		5.4	1.8	3.6
LOWER MANNVILLE A2A	600.0	0.25		150.0		150.0	114.2	35.8
LOWER MANNVILLE C2C	229.0	0.10		22.9		22.9	0.2	22.7
LOWER MANNVILLE D2D	57.7	0.15		8.7		8.7	4.5	4.2
LOWER MANNVILLE F2F WATER FLOOD	133.0	0.10	0.05	13.3	6.7	20.0	9.2	10.8
LOWER MANNVILLE G2G	9.4	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE H2H	370.0	0.13		48.1		48.1	39.2	8.9
LOWER MANNVILLE I2I	51.2	0.10		5.1		5.1	0.5	4.6
LOWER MANNVILLE K2K	46.6	0.10		4.7		4.7		4.7
LOWER MANNVILLE L2L	106.0	0.12		12.7		12.7	12.0	0.7
DETRITAL A	178.0	0.10		17.8		17.8	5.4	12.4
DETRITAL B	151.0	0.10		15.1		15.1	6.0	9.1
DETRITAL C	77.4	0.10		7.7		7.7	4.5	3.2
DETRITAL D	146.0	<0.01		0.4		0.4	0.4	
DETRITAL F	143.0	<0.03		3.6		3.6	3.6	
ARCS B	388.0	0.02		7.8		7.8	2.0	5.8
ALEXANDER 056-27W4								
BASAL QUARTZ D	175.0	<0.01		0.6		0.6	0.6	
BASAL QUARTZ E	126.0	0.08		10.1		10.1	6.4	3.7
BASAL QUARTZ G	178.0	0.10		17.8		17.8	9.1	8.7
WABAMUN B	513.0	<0.01		0.3		0.3	0.3	
WABAMUN C	41.9	0.10		4.2		4.2	1.7	2.5
WABAMUN D	153.0	<0.01		1.0		1.0	1.0	
WABAMUN E	67.6	0.15		10.1		10.1	7.3	2.8
WABAMUN F	62.5	0.10		6.3		6.3	2.2	4.1
ALEXIS 055-04W5								
OSTRACOD A	159.0	<0.01		0.7		0.7	0.7	
OSTRACOD B	296.0	0.04		11.8		11.8	8.8	3.0
BANFF A	7 580.0	0.15		1 140.0		1 140.0	440.8	699.2
ALTARIO 035-01W4								
GLAUCONITIC A	86.6	<0.01		0.1		0.1		0.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	6.20	0.190	0.40	0.90	40	933	31	7 548	974.3	1982	83 05 - SUSP 84 12
32	1.00	0.200	0.35	0.85	67	875	32	10 951	1 042.0	1982	88 12
32	2.20	0.220	0.34	0.90	42	916	32	8 862	966.1	1982	83 06 - SUSP 84 02
56	2.38	0.280	0.39	0.88	47	904	34	10 025	944.1	1982	88 01
16	3.30	0.240	0.40	0.90	39	969	34	9 500	939.2	1982	83 06 - ABAND 86 11
16	13.00	0.190	0.41	0.90	41	933	33	10 415	973.1	1982	83 07
32	8.50	0.178	0.43	0.88	50	907	33	10 041	950.3	1983	83 11 - SUSP 84 09
32	3.60	0.160	0.40	0.90	41	910	28	10 142	934.3	1982	83 12
64	7.50	0.180	0.30	0.90	42	890	31	11 274	1 002.2	1983	84 05
64	2.00	0.220	0.35	0.90	42	887	30	9 665	967.3	1983	84 05
16	3.00	0.170	0.35	0.88	52	931	29	9 674	968.3	1983	84 05 - SUSP 86 12
16	6.70	0.230	0.32	0.88	52	928	33	10 533	981.8	1983	85 12 - SUSP 87 06
404	4.57	0.180	0.37	0.86	100	894	30	10 710	983.4	1983	88 12
16	2.40	0.200	0.35	0.89	41	927	30	10 415	941.0	1983	88 12
16	3.00	0.220	0.40	0.89	41	927	27	10 572	948.5	1983	87 12
16	5.20	0.240	0.35	0.88	50	930	34	10 094	1 019.6	1982	88 12 - SUSP 86 09
16	6.10	0.200	0.40	0.88	50	943	33	10 373	984.8	1983	84 09
16	3.50	0.210	0.35	0.88	50	943	33	10 478	995.9	1983	84 09
32	1.00	0.230	0.33	0.88	50	915	30	11 120	1 017.7	1983	84 10 - SUSP 86 12
16	3.60	0.150	0.45	0.88	50	890	31	10 254	1 037.2	1983	88 12 - SUSP 86 07
16	5.00	0.180	0.40	0.88	50	882	31	11 278	1 041.5	1983	84 10 - ABAND 84 06
64	5.90	0.240	0.34	0.90	37	877	29	10 411	965.3	1984	87 12 - GPP
16	1.20	0.250	0.25	0.88	42	904	32	10 904	1 041.1	1980	88 12 - SUSP 86 05
16	3.90	0.170	0.40	0.85	65	902	31	10 669	1 030.2	1984	84 11
16	2.50	0.140	0.40	0.85	65	902	31	10 915	1 043.9	1984	84 11
16	0.60	0.180	0.32	0.88	53	895	30	10 205	988.8	1984	84 11 - ABAND 87 12
16	2.50	0.180	0.30	0.88	67	875	33	10 435	1 057.6	1984	84 12 - SUSP 87 08
16	2.10	0.200	0.45	0.88	54	928	30	10 064	964.0	1984	84 12
16	1.80	0.160	0.38	0.90	40	904	30	10 910	1 022.8	1973	85 01 - GPP
32	1.00	0.180	0.45	0.88	53	897	30	10 251	982.8	1984	85 02
32	2.50	0.180	0.40	0.88	50	900	32	9 755	929.1	1984	85 03
16	1.00	0.180	0.48	0.88	50	925	30	9 264	932.2	1984	85 05 - ABAND 86 09
16	3.40	0.170	0.37	0.88	50	880	30	9 239	995.7	1984	85 05
16	2.20	0.220	0.35	0.92	33	880	30	9 917	976.4	1984	85 05 - SUSP 87 06
16	10.00	0.210	0.36	0.88	50	885	30	10 681	990.6	1985	85 07
16	3.90	0.170	0.50	0.90	42	871	31	11 380	1 004.0	1985	85 07 - P 85 06
32	5.40	0.170	0.32	0.90	42	890	33	11 012	1 040.2	1984	87 12
113	5.37	0.190	0.39	0.85	64	892	32	10 824	983.0	1962	88 12 - GPP
32	4.90	0.220	0.30	0.95	26	920	21	10 312	964.7	1985	86 03
32	1.50	0.210	0.35	0.88	53	895	28	10 850	981.2	1984	87 12
51	2.38	0.210	0.42	0.90	45	918	29	9 500	950.6	1986	88 01 - GPP
16	1.40	0.160	0.70	0.87	59	825	29	10 434	993.5	1986	87 07 - ABAND 88 03
99	2.92	0.260	0.44	0.88	53	876	30	10 477	977.5	1971	87 12 - GPP
16	4.30	0.160	0.44	0.83	66	830	39	10 105	996.9	1987	88 02
16	3.60	0.150	0.35	0.83	67	852	39	9 271	996.8	1987	88 07
32	3.09	0.180	0.30	0.85				10 632	959.0	1962	81 05
64	2.50	0.200	0.37	0.88	50	902	31	12 975	1 045.0	1983	83 07
64	3.03	0.170	0.48	0.88	52	895	33	10 480	985.8	1983	85 12
32	2.50	0.200	0.45	0.88	52	888	31	10 604	993.0	1983	85 12
64	2.10	0.190	0.35	0.88	52	893	31	7 786	978.2	1985	85 08 - ABAND 85 12
32	3.40	0.230	0.33	0.85	64	892	32	10 395	991.2	1963	85 12 - GPP
64	9.72	0.110	0.37	0.90	40	871	34	12 246	1 354.1	1986	88 04
65	3.05	0.160	0.35	0.85	35	927	38	8 830	1 157.6	1968	71 12 - SUSP 71 10
64	1.52	0.230	0.34	0.85	66	887	48	9 100	1 234.1	1976	85 12
64	2.20	0.200	0.21	0.80	90	860	39	7 345	1 225.8	1983	84 10 - GPP
65	10.06	0.124	0.25	0.85	39	927	48	9 100	1 234.1	1968	71 12 - ABAND 72 12
16	5.90	0.095	0.44	0.85	64	938	37	9 214	1 241.8	1984	85 04
32	5.00	0.160	0.37	0.95	15	940	43	9 757	1 310.5	1983	84 02 - ABAND 86 06
64	2.30	0.090	0.40	0.85	78	939	34	9 429	1 247.4	1981	88 12
32	2.70	0.130	0.36	0.87	54	923	38	10 145	1 197.4	1985	85 12
65	2.44	0.160	0.30	0.90	50	921	43	11 380	1 361.8	1968	71 12 - ABAND 71 12
65	3.66	0.200	0.30	0.89	44	946	43	11 460	1 388.1	1970	88 12 - GPP
729	14.36	0.130	0.36	0.87	51	921	43	11 470	1 373.7	1968	83 09
16	4.00	0.230	0.40	0.98	7	970	30	6 999	857.0	1980	80 10 - SUSP 81 09

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ALTARIO 035-01W4 (CONTINUED)								
GLAUCONITIC B	72.4	<0.01		0.1		0.1		0.1
GLAUCONITIC C	56.0	<0.01		0.2		0.2	0.2	
BAKKEN A	330.0	0.10		33.0		33.0	2.4	30.6
ARMADA 016-19W4								
UPPER MANNVILLE E	318.0	<0.01		0.4		0.4	0.4	
BASAL QUARTZ C	6.3	<0.05		0.3		0.3	0.3	
ATLEE-BUFFALO 021-06W4								
UPPER MANNVILLE A	77.3	<0.03		1.9		1.9	1.0	0.9
UPPER MANNVILLE F	3 800.0	0.05		190.0		190.0	44.4	145.6
UPPER MANNVILLE G	5 070.0	0.08		406.0		406.0	153.5	252.5
UPPER MANNVILLE K	46.7	0.05		2.3		2.3	1.8	0.5
UPPER MANNVILLE P	413.0	0.05		20.6		20.6	0.7	19.9
GLAUCONITIC A	142.0	0.05		7.1		7.1	1.6	5.5
GLAUCONITIC B	25.1	<0.01		0.2		0.2	0.2	
GLAUCONITIC E	29.2	0.10		2.9		2.9	0.4	2.5
OSTRACOD A	22.5	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE B	192.0	<0.01		0.1		0.1	0.1	
BASAL MANNVILLE D	462.0	<0.01		0.5		0.5	0.5	
BASAL MANNVILLE E	80.0	0.10		8.0		8.0	7.0	1.0
BASAL MANNVILLE F	26.5	<0.06		1.4		1.4	1.4	
BANFF A	188.0	<0.01		0.3		0.3	0.3	
AUBURNDALE 047-06W4								
COLONY F	103.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT A	1 010.0	0.10		101.0		101.0	76.5	24.5
WAINWRIGHT B	1 590.0	0.05		79.5		79.5	37.2	42.3
BADGER 016-18W4								
UPPER MANNVILLE B TOTAL	2 350.0			305.5	393.7	699.2	122.4	576.8
PRIMARY AREA	892.0	0.13		116.0		116.0		
WATER FLOOD AREA	1 458.0	0.13	0.27	189.5	393.7	583.2		
UPPER MANNVILLE D	150.0	0.13		19.5		19.5	9.7	9.8
LOWER MANNVILLE A	101.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE C	37.4	0.05		1.9		1.9		1.9
BANTRY 018-13W4								
MANNVILLE A	25 300.0	0.32		8 100.0		8 100.0	6 127.7	1 972.3
MANNVILLE B	1 756.0	0.15		263.0		263.0	213.1	49.9
MANNVILLE D	4 270.0	0.30		1 280.0		1 280.0	921.0	359.0
MANNVILLE F	686.0	0.16		110.0		110.0	83.5	26.5
MANNVILLE G	752.0	0.15		113.0		113.0	74.9	38.1
MANNVILLE H	100.0	0.05		5.0		5.0	1.7	3.3
MANNVILLE I	165.0	0.12		19.8		19.8	17.2	2.6
MANNVILLE J	545.0	<0.01		0.2		0.2	0.2	
MANNVILLE M	1 120.0	0.02		22.4		22.4	12.0	10.4
MANNVILLE O	173.0	0.07		12.1		12.1	10.1	2.0
MANNVILLE P	453.0	0.07		31.7		31.7	21.1	10.6
MANNVILLE R	76.8	<0.01		0.1		0.1	0.1	
MANNVILLE S	70.0	0.07		5.0		5.0	4.2	0.8
MANNVILLE V	82.1	<0.01		0.5		0.5	0.5	
MANNVILLE W	128.0	0.05		6.4		6.4	2.3	4.1
MANNVILLE Z	175.0	0.15		26.3		26.3	12.7	13.6
MANNVILLE AA	183.0	0.10		18.3		18.3	0.8	17.5
MANNVILLE DD	297.0	0.10		29.7		29.7	8.6	21.1
MANNVILLE FF	1 300.0	<0.17		220.0		220.0	193.2	26.8
MANNVILLE GG	64.2	0.10		6.4		6.4	0.8	5.6
MANNVILLE HH	83.1	<0.01		0.1		0.1	0.1	
MANNVILLE II	169.0	0.10		16.9		16.9	0.6	16.3
MANNVILLE JJ	11.9	<0.01		0.1		0.1		0.1
MANNVILLE KK	30.7	0.15		4.6		4.6	1.8	2.8
SUNBURST A	146.0	0.10		14.6		14.6	9.8	4.8
SUNBURST B	97.7	<0.01		0.8		0.8	0.8	
DETRITAL A	58.9	0.10		5.9		5.9	3.4	2.5
DETRITAL B	952.0	0.10		95.2		95.2	26.8	68.4
DETRITAL C	36.0	0.10		3.6		3.6	1.3	2.3
PEKISKO A	66.7	<0.02		0.8		0.8	0.8	
PEKISKO B	172.0	<0.01		0.8		0.8	0.8	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	3.50	0.220	0.40	0.98	7	970	30	7 010	861.8	1980	80 10 - ABAND 86 11
16	1.70	0.280	0.25	0.98	14	985	33	6 268	871.9	1979	80 03 - ABAND 83 01
32	5.96	0.280	0.35	0.95	41	959	31	5 891	861.9	1987	88 06
64	8.68	0.120	0.47	0.90	62	922	35	11 138	1 169.7	1984	88 12 - SUSP 86 08
16	0.60	0.120	0.38	0.88	50	930	37	11 701	1 232.7	1981	83 11 - SUSP 85 09
16	3.10	0.260	0.37	0.95	32	969	26	10 170	922.2	1972	83 06 - SUSP 83 03
576	4.00	0.260	0.31	0.92	20	972	31	10 350	920.6	1976	81 07 - GPP
565	4.53	0.280	0.24	0.93	22	969	30	10 032	890.8	1980	85 07
16	1.80	0.280	0.39	0.95	32	969	26	9 256	986.6	1977	83 09 - GPP
16	11.80	0.299	0.23	0.95	32	970	26	10 152	988.1	1986	87 04
	5.70	0.240	0.30	0.93	31	965	32	8 861	875.4	1981	82 04 - GPP
16	1.30	0.200	0.35	0.93	30	976	32	8 780	866.9	1982	84 05 - SUSP 84 04
16	1.00	0.280	0.32	0.96	22	994	31		972.3	1987	88 07
16	1.00	0.220	0.34	0.97	10	980	33	9 230	1 009.2	1982	83 01 - ABAND 88 02
16	9.70	0.220	0.42	0.97	21	986	33	10 690	1 020.2	1976	78 10 - SUSP 77 09
65	6.10	0.220	0.44	0.95	21	999	28	9 450	942.1	1974	77 02 - SUSP 84 11
32	2.40	0.184	0.42	0.97	21	986	33	9 896	1 009.7	1976	82 06 - GPP
16	1.20	0.230	0.38	0.97	21	986	33	10 645	1 013.8	1976	82 06 - SUSP 87 04
16	7.00	0.250	0.30	0.96	15	998	32	10 250	897.2	1982	85 12 - SUSP 82 12
16	4.00	0.270	0.40	0.99	8	971	26	2 529	619.6	1981	82 07 - SUSP 83 11
364	1.61	0.300	0.40	0.96	14	959	24	3 760	630.9	1964	87 12 - GPP
370	1.82	0.316	0.22	0.96	9	959	24	3 860	626.8	1974	81 12 - GPP
273					56	930	34	11 853	1 110.3	1981	87 02
125	4.64	0.230	0.24	0.88							
148	6.40	0.230	0.24	0.88							- GPP
139	1.26	0.150	0.35	0.88	55	930	33	12 656	1 114.1	1983	87 12
16	5.90	0.150	0.20	0.90	46	965	38	12 270	1 149.3	1978	79 02 - SUSP 79 02
16	2.50	0.200	0.48	0.90	43	928	38	12 114	1 183.5	1985	86 04 - SUSP 86 12
4 565	3.44	0.265	0.31	0.88	54	904	28	10 860	990.6	1948	85 11 - GPP
456	2.50	0.250	0.30	0.88	54	904	28	10 790	971.1	1960	88 12 - GPP
864	3.52	0.228	0.30	0.88	54	904	33	10 790	1 021.4	1963	87 05 - GPP
160	3.00	0.250	0.35	0.88	54	904	33	11 200	1 013.5	1962	88 12 - GPP
192	2.65	0.240	0.30	0.88	54	904	28	10 830	979.3	1964	87 12 - GPP
32	2.13	0.230	0.30	0.90	54	904	38	10 930	1 004.3	1965	83 09 - SUSP 87 07
70	1.83	0.230	0.30	0.80	54	904	32	11 030	1 027.5	1965	86 12 - GPP
65	7.01	0.210	0.35	0.88	54	904	33	10 960	1 018.3	1967	68 09 - ABAND 68 07
120	6.06	0.250	0.30	0.88	54	904	36	8 960	1 003.1	1958	85 12 - GPP
32	3.05	0.250	0.10	0.79	57	915	37	11 400	1 012.2	1964	81 12
48	5.50	0.260	0.25	0.88	54	904	28	10 930	974.1	1968	87 12 - GPP
32	2.50	0.220	0.51	0.89	47	910	37	10 578	1 006.3	1979	81 02 - SUSP 80 03
32	1.53	0.250	0.35	0.88	54	904	33	10 551	1 019.1	1962	83 01 - GPP
32	2.70	0.180	0.40	0.88	54	903	31	9 818	973.9	1980	81 12 - SUSP 83 05
32	3.50	0.200	0.35	0.88	54	914	31	9 592	948.5	1980	84 12
32	4.50	0.200	0.31	0.88	48	883	34	10 596	964.8	1982	85 08
64	2.50	0.200	0.35	0.88	48	893	35	10 304	1 010.5	1982	83 01 - SUSP 87 01
96	2.99	0.210	0.44	0.88	54	887	29	9 339	949.5	1983	83 09 - GPP
253	3.23	0.255	0.29	0.88	54	904	33	10 790	1 014.2	1968	84 08 - GPP
64	1.00	0.190	0.40	0.88	50	893	37	9 188	1 025.3	1984	84 11
64	1.10	0.220	0.39	0.88	53	882	30	10 867	1 005.4	1984	85 05 - SUSP 85 04
64	2.38	0.200	0.37	0.88	49	893	34	9 389	1 019.9	1985	85 10 - SUSP 87 01
16	1.20	0.150	0.53	0.88	49	870	30	8 573	969.1	1985	85 10 - ABAND 86 02
24	1.21	0.200	0.40	0.88	50	890	30	8 621	974.6	1986	88 12
32	5.00	0.160	0.35	0.88	48	880	32	10 414	961.5	1983	86 10
64	1.70	0.170	0.40	0.88	48	870	32	9 704	954.9	1983	83 09 - SUSP 83 03
32	1.53	0.228	0.40	0.88	42	870	30	8 371	972.0	1983	83 11 - GPP
160	4.39	0.230	0.33	0.88	50	882	30	10 096	975.4	1987	88 05
16	3.20	0.160	0.50	0.88	51	880	30	7 600	962.8	1986	86 10
16	14.63	0.045	0.30	0.90	53	965	39	10 740	976.6	1966	68 05 - ABAND 68 09
55	3.05	0.170	0.33	0.90	40	934	32	10 290	983.0	1977	83 12 - ABAND 78 05

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	$10^3 m^3$	frac	frac	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$	$10^3 m^3$
BANTRY 018-13W4 (CONTINUED)								
PEKISKO C	134.0	0.10		13.4		13.4	2.6	10.8
PEKISKO G	1 181.0	0.10		118.0		118.0	80.4	37.6
BARRHEAD 058-05W5								
BANFF A	59.1	<0.02		1.0		1.0	1.0	
BAXTER LAKE 046-05W4								
MANNVILLE C	567.0	<0.01		0.1		0.1	0.1	
WAINWRIGHT	1 340.0	0.17		228.0		228.0	192.7	35.3
WAINWRIGHT C	296.0	0.15		44.4		44.4	28.9	15.5
LLOYDMINSTER A	205.0	<0.01		0.2		0.2	0.2	
BERRY 027-12W4								
UPPER MANNVILLE J	81.0	<0.01		0.7		0.7	0.7	
UPPER MANNVILLE M	84.5	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE A	888.0	0.04		35.5		35.5	24.0	11.5
LOWER MANNVILLE F	150.0	0.08		12.0		12.0	7.8	4.2
LOWER MANNVILLE I	52.4	0.05		2.6		2.6	0.6	2.0
BIGORAY 052-08W5								
PEKISKO A	5 400.0	0.03		162.0		162.0	136.2	25.8
PEKISKO F	21.9	<0.01		0.1		0.1	0.1	
BINDLOSS 022-04W4								
GLAUCONITIC A	43.1	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE A	194.0	0.03		5.8		5.8	4.9	0.9
LOWER MANNVILLE B	166.0	<0.01		0.1		0.1	0.1	
BIRCH 050-11W4								
GENERAL PETROLEUM A	105.0	<0.02		1.4		1.4	1.4	
BLACK BUTTE 001-08W4								
MANNVILLE B	1 019.0	0.05		51.0		51.0	23.0	28.0
BLUERIDGE 059-10W5								
PEKISKO A	1 720.0	<0.01		5.5		5.5	5.5	
BOLLOQUE 065-24W4								
UPPER MANNVILLE A	246.0	0.01		2.5		2.5	2.2	0.3
UPPER MANNVILLE G	1 132.0	0.02		22.6		22.6	3.2	19.4
BOW ISLAND 011-11W4								
GLAUCONITIC A	5 230.0	0.10		523.0		523.0	142.6	380.4
LOWER MANNVILLE A	49.4	0.10		4.9		4.9	1.1	3.8
LOWER MANNVILLE B	145.0	0.06		8.7		8.7	2.6	6.1
LOWER MANNVILLE C	97.0	0.10		9.7		9.7	4.7	5.0
LOWER MANNVILLE D	173.0	<0.01		0.3		0.3	0.3	
BUFF COULEE 047-07W4								
COLONY H	139.0	<0.01		0.3		0.3	0.3	
CAPRON 026-03W4								
BANFF A	27.9	0.10		2.8		2.8	0.2	2.6
CESSFORD 025-13W4								
BASAL COLORADO A TOTAL	11 830.0			1 799.0	927.5	2 727.0	1 780.0	947.0
PRIMARY AREA	5 650.0	0.15		871.5		871.5		
WATER FLOOD AREA	6 180.0	0.15	0.15	927.0	927.0	1 854.0		
MANNVILLE M & BASAL COLORADO H	227.0	<0.01		0.4		0.4	0.4	
MANNVILLE B	780.0	0.06		46.8		46.8	39.3	7.5
MANNVILLE C	32 000.0	0.09		2 880.0		2 880.0	2 316.6	563.4
MANNVILLE E	286.0	0.10		28.6		28.6	26.6	2.0
MANNVILLE I	139.0	0.10		13.9		13.9	10.1	3.8
MANNVILLE X	190.0	0.15		28.5		28.5	25.5	3.0
MANNVILLE NN	130.0	<0.01		0.2		0.2	0.2	
MANNVILLE QQ	128.0	<0.04		4.6		4.6	4.6	
MANNVILLE Y & Z	5 360.0	0.15		804.0		804.0	436.0	368.0
MANNVILLE GGG	81.0	<0.07		5.4		5.4	5.4	
MANNVILLE RRR	137.0	0.05		6.9		6.9	2.2	4.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	2.00	0.150	0.20	0.87	55	880	33	9 500	1 007.5	1982	83 01
318	7.54	0.076	0.28	0.90	41	896	32	10 694	965.8	1972	86 10
32	3.00	0.110	0.30	0.80	51	921	40	9 777	1 222.5	1949	82 12 - SUSP 82 02
64	3.70	0.330	0.22	0.93	28	959	29	4 450	661.1	1976	86 12 - SUSP 85 08
307	2.00	0.330	0.31	0.96	18	952	22	3 930	667.8	1948	88 12 - GPP
56	2.53	0.320	0.32	0.96	20	959	20	3 890	669.3	1973	87 12 - GPP
16	10.67	0.240	0.45	0.90	27	927	32	4 128	707.6	1975	78 12 - SUSP 78 12
32	2.47	0.190	0.40	0.90	43	876	37	9 482	1 119.2	1978	83 12 - SUSP 81 11
64	2.00	0.150	0.50	0.88	48	858	34	10 145	1 100.5	1978	88 12 - SUSP 83 09
160	4.47	0.210	0.35	0.91	40	891	34	9 670	1 080.1	1965	83 10 - GPP
48	3.23	0.180	0.41	0.91	51	860	42	9 324	1 115.4	1976	82 12 - GPP
64	1.00	0.180	0.50	0.91	36	875	43		1 136.0	1985	87 09 - GPP
3 000	4.58	0.072	0.35	0.84	62	915	64	15 070	1 903.8	1969	85 01 - GPP
32	4.20	0.035	0.44	0.83	68	935	65	14 305	1 977.0	1979	86 08 - ABAND 86 09
16	1.50	0.270	0.30	0.95	44	945	31	10 620	785.8	1982	88 12 - SUSP 86 09
32	3.40	0.280	0.33	0.95	22	974	30	9 300	787.9	1974	81 12 - GPP
16	6.10	0.280	0.36	0.95	16	778	40	7 130	786.3	1981	83 01 - SUSP 82 12
16	4.50	0.280	0.45	0.98	3	965	24	4 871	643.8	1980	82 03 - SUSP 84 04
348	2.63	0.200	0.36	0.87	62	915	32	8 520	943.2	1969	88 12 - GPP
2 148	2.07	0.065	0.30	0.85	46	940	54	12 490	1 759.3	1968	74 12 - ABAND 81 03
65	2.44	0.250	0.35	0.96	35	946	21	5 810	863.2	1975	76 04 - GPP
48	13.37	0.270	0.34	0.99	10	971	24	4 474	632.9	1984	87 12
288	9.55	0.260	0.23	0.95	19	920	34	9 876	911.3	1985	86 05 - GPP
16	2.50	0.200	0.35	0.95	16	928	31	10 686	918.8	1979	82 03
32	3.55	0.220	0.39	0.95	21	929	33	5 800	927.5	1980	87 07
64	1.27	0.200	0.37	0.95	16	916	31	10 310	931.4	1984	88 08
32	3.00	0.260	0.27	0.95	20	916	33	10 378	927.0	1985	85 07 - SUSP 85 08
16	4.60	0.300	0.30	0.90	18	961	92	3 032	601.7	1976	84 11 - SUSP 85 12
16	3.00	0.130	0.53	0.95	22	965	28	9 289	913.5	1987	88 02
3 238					46	898	27	8 720	929.9	1952	87 08 - GPP
1 691	2.36	0.258	0.39	0.90							
1 547	3.03	0.240	0.39	0.90							
128	1.69	0.232	0.48	0.87	60	904	33	9 710	1 056.7	1975	76 12 - SUSP 77 04
403	1.89	0.230	0.50	0.89	44	904	35	9 760	1 033.6	1953	82 12 - GPP
4 224	6.57	0.220	0.43	0.92	44	910	31	9 760	1 019.5	1951	86 02 - GPP
66	3.90	0.247	0.48	0.87	44	904	37	9 650	1 040.0	1962	77 12 - GPP
65	2.44	0.220	0.54	0.87	45	892	31	9 720	1 022.3	1951	73 12 - GPP
64	3.10	0.200	0.45	0.87	45	892	31	8 540	1 019.6	1968	86 12 - GPP
65	1.83	0.230	0.45	0.87	48	892	31	9 580	1 009.5	1976	77 02 - SUSP 76 05
65	1.52	0.200	0.30	0.90	44	915	32	8 760	1 024.4	1974	77 02 - SUSP 82 11
1 881	2.55	0.204	0.37	0.87	45	892	35	9 550	1 010.6	1951	85 09 - GPP
64	1.50	0.210	0.55	0.89	49	904	32	8 340	1 012.8	1977	88 12 - SUSP 86 06
32	3.00	0.230	0.31	0.90	25	919	32	7 906	1 025.5	1980	82 06

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CESSFORD 025-13W4 (CONTINUED)								
MANNVILLE VVV	47.6	<0.01		0.4		0.4	0.4	
MANNVILLE WWW	89.1	<0.01		0.5		0.5	0.5	
MANNVILLE XXX	146.0	<0.01		0.2		0.2	0.2	
MANNVILLE L2L	57.7	0.10		5.8		5.8	2.9	2.9
MANNVILLE D2D	104.0	0.10		10.4		10.4	5.0	5.4
MANNVILLE P2P	149.0	0.10		14.9		14.9	0.5	14.4
MANNVILLE Q2Q	66.0	<0.01		0.1		0.1	0.1	
MANNVILLE T2T	60.9	0.10		6.1		6.1	2.6	3.5
MANNVILLE U2U	75.1	0.10		7.5		7.5	1.0	6.5
MANNVILLE V2V	28.9	0.10		2.9		2.9	2.2	0.7
COLONY A	55.6	<0.01		0.3		0.3	0.3	
BASAL QUARTZ C	789.0	0.05		39.4		39.4	4.8	34.6
BASAL QUARTZ F	103.0	0.10		10.3		10.3	2.2	8.1
BASAL QUARTZ G	106.0	0.10		10.6		10.6	0.5	10.1
BASAL QUARTZ H	115.0	0.10		11.5		11.5	1.5	10.0
DETRITAL C	159.0	0.10		15.9		15.9	0.9	15.0
DETRITAL D	246.0	0.05		12.3		12.3	0.1	12.2
PEKISKO A	63.6	<0.03		1.4		1.4	1.4	
CHAUVIN 043-01W4								
MANNVILLE A TOTAL	6 440.0			688.0	550.0	1 240.0	1 154.4	85.6
PRIMARY AREA	341.0	0.05		17.0		17.0		
WATER FLOOD AREA	6 100.0	0.11	0.09	671.0	550.0	1 220.0		
MANNVILLE B	800.0	0.10		80.0		80.0	64.0	16.0
COLONY A	129.0	0.05		6.5		6.5	1.4	5.1
SPARKY A WATER FLOOD	300.0	0.10	0.15	30.0	45.0	75.0	63.1	11.9
SPARKY D	1 510.0	0.08		121.0		121.0	67.0	54.0
SPARKY E	382.0	0.12		45.8		45.8	23.4	22.4
SPARKY F	46.4	<0.01		0.1		0.1		0.1
GENERAL PETROLEUM A	234.0	0.02		4.7		4.7	0.8	3.9
LLOYDMINSTER A	401.0	0.05		20.1		20.1	5.6	14.5
LLOYDMINSTER B	369.0	<0.01		1.6		1.6	1.6	
LLOYDMINSTER C	253.0	<0.01		0.1		0.1	0.1	
CUMMINGS A	556.0	0.02		11.1		11.1	6.8	4.3
CHAUVIN SOUTH 042-02W4								
UPPER MANNVILLE D	194.0	<0.01		0.3		0.3	0.3	
COLONY A	556.0	0.05		27.8		27.8	15.3	12.5
COLONY B	833.0	0.03		25.0		25.0	19.6	5.4
COLONY H	567.0	0.10		56.7		56.7	23.5	33.2
COLONY O	231.0	0.05		11.6		11.6	5.2	6.4
SPARKY E TOTAL	4 100.0			615.0	430.0	1 045.0	695.1	349.9
PRIMARY AREA	1 230.0	0.15		185.0		185.0		
WATER FLOOD AREA	2 870.0	0.15	0.15	430.0	430.0	860.0		
SPARKY H TOTAL	3 335.0			234.0	607.0	841.0	603.1	237.9
PRIMARY AREA	695.0	0.07		48.7		48.7		
WATER FLOOD AREA	2 640.0	0.07	0.23	185.0	607.0	792.0		
SPARKY M	501.0	0.04		20.0		20.0	9.3	10.7
SPARKY O	163.0	0.05		8.2		8.2	5.5	2.7
SPARKY T	66.6	0.07		4.7		4.7	3.4	1.3
SPARKY V	116.0	0.05		5.8		5.8	4.8	1.0
SPARKY W	234.0	<0.02		2.6		2.6	2.6	
SPARKY X	362.0	0.10		36.2		36.2	20.7	15.5
SPARKY Z	70.6	<0.01		0.3		0.3	0.3	
SPARKY AA	60.2	<0.01		0.1		0.1	0.1	
SPARKY CC	89.9	0.05		4.5		4.5	3.8	0.7
SPARKY A & B TOTAL	11 760.0			975.0	904.0	1 879.0	1 382.8	496.2
PRIMARY AREA	4 704.0	0.07		300.0		300.0		
WATER FLOOD AREA	8 056.0	<0.09	0.11	675.0	904.0	1 579.0		
SPARKY N R & S	1 910.0	0.05		95.6		95.6	64.4	31.2
GENERAL PETROLEUM A	67.7	0.08		5.4		5.4	3.5	1.9
GENERAL PETROLEUM B	9.3	0.10		1.0		1.0	0.6	0.4
GENERAL PETROLEUM C	58.0	0.05		2.9		2.9		2.9
REX A	90.4	<0.02		1.0		1.0	1.0	
LLOYDMINSTER A	391.0	0.05		19.6		19.6	10.7	8.9
LLOYDMINSTER C	2 850.0	0.10		285.0		285.0	237.7	47.3
LLOYDMINSTER D TOTAL	1 829.0			183.0	132.0	315.0	274.3	40.7
PRIMARY AREA	179.0	0.10		17.9		17.9		
WATER FLOOD AREA	1 650.0	0.10	0.08	165.0	132.0	297.0		
LLOYDMINSTER E	430.0	0.10		43.0		43.0	12.2	30.8

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	1.74	0.190	0.50	0.90	31	920	33	7 200	1 023.5	1981	82 07 - SUSP 83 12
32	3.20	0.200	0.50	0.87	40	944	36	9 884	1 061.3	1981	85 12 - SUSP 83 09
32	4.45	0.193	0.41	0.90	38	910	39	8 008	1 054.2	1982	85 12 - SUSP 82 11
32	2.40	0.180	0.52	0.87	56	910	31	9 550	997.4	1984	84 12
64	1.50	0.220	0.40	0.82	78	766	30	9 548	1 102.3	1985	85 12
64	2.00	0.230	0.45	0.92	33	919	34	9 322	1 042.0	1985	86 06
32	2.50	0.230	0.61	0.92	33	909	34	9 368	1 036.8	1986	86 08 - SUSP 87 07
32	2.70	0.180	0.55	0.87	45	895	31	8 474	1 043.4	1987	87 10
64	1.50	0.170	0.50	0.92	33	864	38	8 233	1 183.8	1983	84 04
32	1.00	0.180	0.43	0.88	45	907	45	9 184	1 182.0	1984	84 02
16	3.00	0.230	0.44	0.90	40	955	38	8 646	860.5	1974	88 12 - SUSP 86 08
192	6.55	0.140	0.46	0.83	56	865	40	9 250	1 302.9	1980	85 12
64	3.00	0.150	0.60	0.89	40	859	32	9 679	996.8	1981	85 08
64	2.00	0.176	0.49	0.92	33	890	34	10 548	996.5	1987	88 03
64	1.30	0.240	0.36	0.90	39	896	34	9 721	998.5	1987	88 03 - SUSP 88 03
32	5.80	0.150	0.37	0.90	39	896	27	9 389	1 013.8	1987	88 03
32	7.50	0.180	0.38	0.92	33	919	34		1 042.3	1987	88 08
65	1.83	0.100	0.40	0.89	66	844	44	9 580	1 277.4	1961	61 09 - ABAND 68 05
844					14	921	24	4 830	630.0	1952	80 12
64	3.30	0.300	0.44	0.96							
780	4.85	0.300	0.44	0.96							- GPP
191	2.24	0.300	0.35	0.96	14	921	24	4 830	615.7	1954	84 12 - GPP
16	3.90	0.320	0.35	0.99	15	951	26	4 280	571.1	1986	87 05
130	1.82	0.240	0.45	0.96	14	922	24	5 540	625.7	1980	87 12
655	1.27	0.300	0.37	0.96	17	950	24	4 712	589.6	1974	84 12
170	1.18	0.320	0.38	0.96	17	943	24	4 340	612.6	1979	88 12
16	1.70	0.320	0.45	0.97	12	920	24	4 511	663.2	1986	86 08 - SUSP 86 06
32	3.37	0.310	0.28	0.97	13	950	24	4 664	636.7	1979	83 11 - SUSP 87 02
32	6.47	0.280	0.28	0.96	16	940	25	4 600	658.7	1978	82 05
32	6.00	0.290	0.31	0.96	16	940	29	4 345	695.2	1985	88 12 - SUSP 86 06
16	6.20	0.310	0.17	0.99	14	955	26	4 935	667.4	1985	88 12 - ABAND 86 07
64	4.44	0.290	0.29	0.95	21	956	26	4 452	637.6	1978	82 09 - GPP
16	5.40	0.320	0.23	0.91	45	985	24	4 292	608.9	1979	80 06 - SUSP 80 12
64	4.42	0.292	0.30	0.95	14	927	25	4 220	608.1	1963	83 03
40	9.45	0.320	0.29	0.97	9	972	33	4 010	592.2	1972	85 12 - GPP
80	3.36	0.300	0.29	0.99	12	956	24	4 080	564.6	1978	85 12 - GPP
32	3.53	0.310	0.32	0.97	20	940	35	4 030	568.2	1983	86 12
847					14	910	24	4 790	643.8	1969	88 11
280	2.13	0.290	0.26	0.96							
567	2.46	0.290	0.26	0.96							- GPP
503					20	898	28	4 730	628.3	1971	87 12
109	2.58	0.307	0.16	0.96							
394	2.77	0.300	0.16	0.96							- GPP
64	3.70	0.310	0.29	0.96	16	921	10	5 020	610.8	1973	87 12
32	2.42	0.300	0.28	0.96	18	932	15	4 700	616.8	1977	83 04 - SUSP 86 10
48	1.00	0.260	0.45	0.97	12	945	29	4 672	650.8	1979	87 12 - GPP
16	3.00	0.300	0.16	0.96	14	934	30	4 529	622.5	1981	82 05
32	6.28	0.240	0.50	0.97	12	925	25	3 200	658.0	1982	83 05 - ABAND 87 10
60	2.54	0.313	0.21	0.96	18	933	20	4 635	623.8	1978	87 12
16	2.50	0.280	0.35	0.97	10	946	33	4 702	610.4	1983	88 12 - ABAND 84 08
32	1.00	0.280	0.30	0.96	20	898	28	4 690	652.5	1981	88 12 - SUSP 84 07
32	1.50	0.300	0.35	0.96	15	915	26	6 584	655.8	1981	82 06
1 558					16	910	31	4 620	653.2	1952	88 10
688	4.09	0.290	0.40	0.96							
870	4.75	0.290	0.30	0.96							- GPP
699	1.70	0.270	0.38	0.96	18	921	24	4 522	624.1	1969	83 12
16	3.00	0.210	0.30	0.96	15	970	25	4 495	662.5	1981	85 12 - GPP
16	0.40	0.270	0.42	0.93	28	934	30	3 524	640.4	1985	86 03 - SUSP 87 12
16	2.30	0.280	0.42	0.97	13	235	24	4 611	629.9	1985	88 11
16	4.50	0.230	0.40	0.91	14	985	28	6 710	627.8	1983	84 02 - ABAND 86 01
32	6.53	0.300	0.35	0.96	14	952	18	5 100	659.7	1963	79 08 - GPP
699	1.94	0.300	0.27	0.96	14	940	25	4 520	665.1	1953	82 12 - GPP
438					14	940	24	4 730	696.6	1968	87 12
48	1.83	0.280	0.25	0.97							
390	1.71	0.300	0.15	0.97							- GPP
128	1.84	0.280	0.32	0.96	14	940	24	4 960	693.8	1969	88 12

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
CHAUVIN SOUTH 042-02W4 (CONTINUED)								
LLOYDMINSTER F	373.0	<0.02		6.9		6.9	2.2	4.7
LLOYDMINSTER G TOTAL	3 420.0			119.0	35.4	155.0	74.0	81.0
PRIMARY AREA	1 650.0	0.04		66.0		66.0		
WATER FLOOD AREA	1 770.0	0.03	0.02	53.1	35.4	88.5		
LLOYDMINSTER H	148.0	0.05		7.4		7.4	2.3	5.1
LLOYDMINSTER I	162.0	0.05		8.1		8.1	0.3	7.8
LLOYDMINSTER J	157.0	0.10		15.7		15.7	1.7	14.0
LLOYDMINSTER K	85.6	0.05		4.3		4.3		4.3
DINA A	107.0	<0.01		0.1		0.1	0.1	
DINA B	186.0	<0.01		0.2		0.2	0.2	
CAMROSE A	22.2	0.10		2.2		2.2	0.5	1.7
LEDUC A	321.0	0.05		16.1		16.1	0.7	15.4
CHERHILL 056-05W5								
BANFF B	1 000.0	0.06		60.0		60.0	37.6	22.4
BANFF C	1 260.0	0.10		126.0		126.0	38.9	87.1
BANFF F	13 800.0	0.10		1 380.0		1 380.0	207.9	1 172.1
BANFF Q	113.0	<0.01		0.2		0.2	0.2	
BANFF V	217.0	0.03		6.5		6.5	4.7	1.8
BANFF W	51.4	0.10		5.1		5.1		5.1
CHIGWELL 041-24W4								
MANNVILLE C	342.0	<0.01		1.7		1.7	1.7	
CHIN COULEE 007-14W4								
GLAUCONITIC A	221.0	0.05		11.1		11.1	0.8	10.3
GIAUCONITIC B	134.0	0.05		6.7		6.7	1.3	5.4
BASAL MANNVILLE A TOTAL	3 890.0			389.0	502.0	891.0	846.3	44.7
PRIMARY AREA	548.0	0.10		54.8		54.8		
WATER FLOOD AREA	3 340.0	0.10	0.15	334.0	502.0	836.0		
SAWTOOTH A	30.5	0.10		3.1		3.1	0.8	2.3
COMPEER 033-02W4								
LOWER MANNVILLE A	118.0	0.10		11.8		11.8	8.2	3.6
LOWER MANNVILLE B	158.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE C	239.0	0.08		19.1		19.1	7.9	11.2
BANFF A	316.0	0.05		15.8		15.8	4.1	11.7
BANFF B	255.0	0.08		20.4		20.4	10.9	9.5
BANFF C	101.0	0.05		5.1		5.1	0.6	4.5
CONNORSVILLE 025-15W4								
LOWER MANNVILLE C	27.0	<0.01		0.1		0.1		0.1
CONRAD 006-15W4								
ELLIS	2 540.0	0.21		533.0		533.0	513.0	20.0
SAWTOOTH A	170.0	0.10		17.0		17.0	0.6	16.4
SAWTOOTH B	72.6	0.10		7.3		7.3	5.1	2.2
SAWTOOTH C	89.4	0.10		8.9		8.9	1.7	7.2
COUNTESS 021-16W4								
UPPER MANNVILLE B TOTAL	3 920.0			588.0	900.0	1 488.0	1 225.0	263.0
PRIMARY AREA	320.0	0.15		48.0		48.0		
WATER FLOOD AREA	3 600.0	0.15	0.25	540.0	900.0	1 440.0		
UPPER MANNVILLE D TOTAL	12 350.0			1 235.0	4 920.0	6 155.0	5 327.3	827.7
PRIMARY AREA	53.5	0.10		5.4		5.4		
WATER FLOOD AREA	12 300.0	0.10	0.40	1 230.0	4 920.0	6 150.0		
UPPER MANNVILLE F TOTAL	1 810.0			170.0	445.0	615.0	543.3	71.7
PRIMARY AREA	220.0	0.05		11.0		11.0		
WATER FLOOD AREA	1 590.0	0.10	0.28	159.0	445.0	604.0		
UPPER MANNVILLE H WATER FLOOD	5 545.0	0.10	0.30	554.5	1 663.5	2 218.0	2 041.1	176.9
UPPER MANNVILLE J	687.0	0.10		68.7		68.7	49.2	19.5
UPPER MANNVILLE L	208.0	0.10		20.8		20.8	18.2	2.6
UPPER MANNVILLE M WATER FLOOD	556.0	0.15	0.15	83.4	83.4	167.0	131.6	35.4
UPPER MANNVILLE O WATER FLOOD	2 540.0	0.15	0.32	381.0	814.0	1 200.0	759.8	440.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
96	1.90	0.300	0.29	0.96	14	904	27	4 670	650.9	1974	80 12
369					15	970	25	3 640	648.9	1978	85 11 - GPP
193	4.39	0.290	0.30	0.96							
176	5.16	0.290	0.30	0.96							
16	4.50	0.330	0.35	0.96	18	931	22	4 630	644.8	1982	82 07
16	6.00	0.270	0.35	0.96	18	954	18	4 685	691.7	1983	84 07
16	6.00	0.260	0.35	0.97	20	955	27	4 917	650.5	1984	85 05
16	3.00	0.280	0.35	0.98	14	939	26	5 146	668.0	1987	88 06
16	3.05	0.300	0.24	0.97	13	947	27	5 070	672.1	1978	79 01 - SUSP 78 09
16	5.50	0.290	0.24	0.96	12	958	33	3 976	703.3	1985	86 05
16	2.80	0.120	0.57	0.96	13	985	31	4 453	642.0	1969	88 09
32	6.40	0.220	0.28	0.99	15	960	25	4 785	657.4	1985	88 10
249	5.40	0.140	0.40	0.89	51	915	43	10 890	1 393.2	1969	82 10
128	9.63	0.180	0.34	0.86	48	911	64	10 680	1 387.9	1977	87 04
1 064	14.38	0.170	0.39	0.87	46	910	40	9 500	1 465.3	1981	86 06
32	3.78	0.196	0.45	0.87	50	904	45	9 084	1 286.6	1984	85 12 - ABAND 86 01
32	11.54	0.110	0.40	0.89	44	935	50	11 210	1 376.6	1981	86 12
16	4.69	0.155	0.48	0.85	58	945	48	11 381	1 454.8	1985	87 12
65	4.88	0.170	0.25	0.85	69	887	50	11 310	1 485.6	1969	74 12 - ABAND 73 08
16	13.50	0.130	0.19	0.97	10	926	33	8 830	877.0	1985	85 08
16	4.50	0.250	0.24	0.98	10	958	27	9 767	928.8	1987	87 01
1 414					5	915	32	9 791	940.4	1960	83 03 - GPP
190	2.56	0.194	0.40	0.97							
1 224	2.42	0.194	0.40	0.97							
16	1.60	0.200	0.33	0.89	47	953	31	10 048	962.2	1987	87 10
32	2.80	0.230	0.37	0.92	35	934	32	6 158	898.2	1978	79 10
16	5.00	0.280	0.25	0.94	27	959	28	8 150	885.3	1980	83 12 - SUSP 80 12
64	2.14	0.320	0.42	0.94	25	960	28	6 324	842.8	1984	87 12
48	4.77	0.220	0.34	0.95	18	959	36	6 856	848.8	1955	88 07
32	4.13	0.290	0.30	0.95	21	937	28	7 680	824.8	1984	87 12
32	3.73	0.130	0.40	0.94	18	930	28		843.2	1987	88 03
64	1.50	0.080	0.60	0.89	52	893	32	8 890	990.9	1978	79 02 - SUSP 78 12
1 475	1.52	0.198	0.35	0.88	53	904	30	10 340	926.6	1944	85 12 - GPP
64	3.03	0.180	0.45	0.88	52	890	27	9 539	972.8	1986	87 03
32	2.80	0.155	0.45	0.95	19	908	29	8 930	976.3	1983	83 11
32	2.00	0.210	0.30	0.95	18	921	36	5 200	968.0	1980	81 08
624					45	887	37	10 780	1 083.8	1965	87 12
96	2.24	0.220	0.24	0.89							
528	4.09	0.240	0.22	0.89							- GPP
1 594					45	904	36	10 840	1 122.2	1967	88 11
23	2.62	0.234	0.26	0.89							
1 571	4.77	0.240	0.20	0.89							- GPP
226					45	887	34	10 850	1 075.3	1967	88 01 - GPP
64	2.51	0.220	0.30	0.89							
162	6.40	0.230	0.25	0.89							
679	5.35	0.220	0.22	0.89	50	898	32	11 090	1 072.0	1968	86 12 - GPP
208	2.41	0.220	0.30	0.89	44	887	33	10 950	1 075.8	1970	86 12 - GPP
65	2.29	0.207	0.24	0.89	45	881	39	10 690	1 082.3	1971	72 08
32	14.02	0.230	0.38	0.86	59	892	38	11 130	1 079.9	1972	78 06 - GPP
170	8.14	0.260	0.17	0.85	51	915	36	10 670	1 067.7	1973	77 12 - GPP

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
COUNTESS 021-16W4 (CONTINUED)								
UPPER MANNVILLE T	51.0	<0.03		1.2		1.2	1.2	
UPPER MANNVILLE U	170.0	0.10		17.0		17.0	6.1	10.9
UPPER MANNVILLE Y	144.0	0.10		14.4		14.4		14.4
UPPER MANNVILLE HH	120.0	0.15		18.0		18.0	6.6	11.4
UPPER MANNVILLE II	191.0	0.10		19.1		19.1	8.1	11.0
UPPER MANNVILLE JJ	17.7	0.10		1.8		1.8	0.9	0.9
UPPER MANNVILLE KK	267.0	0.10		26.7		26.7	3.1	23.6
UPPER MANNVILLE MM	301.0	0.10		30.1		30.1	5.0	25.1
LOWER MANNVILLE A	211.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	319.0	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE F	134.0	0.08		10.7		10.7	6.8	3.9
LOWER MANNVILLE G	251.0	0.05		12.6		12.6	4.8	7.8
LOWER MANNVILLE H	196.0	0.02		3.9		3.9	0.8	3.1
LOWER MANNVILLE I	61.7	<0.01		0.1		0.1		0.1
LOWER MANNVILLE J	105.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE K	87.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE L	257.0	0.02		5.1		5.1	0.7	4.4
LOWER MANNVILLE N	124.0	0.05		6.2		6.2	0.1	6.1
LOWER MANNVILLE O	65.6	0.05		3.3		3.3	0.6	2.7
LOWER MANNVILLE P	117.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE Q	218.0	<0.01		0.1		0.1	0.1	
OSTRACOD D	130.0	0.10		13.0		13.0	5.4	7.6
OSTRACOD E & BASAL QUARTZ B	144.0	0.05		7.2		7.2	4.9	2.3
BASAL QUARTZ F	21.0	<0.01		0.1		0.1		0.1
PEKISKO B	66.6	<0.01		0.1		0.1	0.1	
PEKISKO C	88.1	<0.01		0.1		0.1	0.1	
DAVID 041-03W4								
LLOYDMINSTER A TOTAL	2 380.0			310.0	271.0	581.0	469.3	111.7
PRIMARY AREA	122.0	0.13		15.9		15.9		
WATER FLOOD AREA	2 257.0	0.13	0.12	294.0	271.0	565.0		
LLOYDMINSTER B	461.0	0.06		27.7		27.7	23.4	4.3
LLOYDMINSTER C TOTAL	3 030.0			394.0	135.0	529.0	378.0	151.0
PRIMARY AREA	1 680.0	0.13		218.0		218.0		
WATER FLOOD AREA	1 350.0	0.13	0.10	176.0	135.0	311.0		
LLOYDMINSTER E	129.0	0.05		6.5		6.5	2.6	3.9
LLOYDMINSTER F	28.2	0.05		1.4		1.4	0.7	0.7
CUMMINGS A	112.0	0.05		5.6		5.6	2.5	3.1
CUMMINGS B	131.0	0.05		6.6		6.6	3.1	3.5
DINA A	345.0	0.05		17.3		17.3	12.2	5.1
DINA C	114.0	0.03		3.4		3.4	0.1	3.3
DINA 045-01W4								
SPARKY	863.0	0.10		86.3		86.3	75.9	10.4
SPARKY B	134.0	0.05		6.7		6.7	2.6	4.1
EDGERTON 045-04W4								
COLONY G	73.1	0.05		3.7		3.7	1.3	2.4
SPARKY A	95.2	0.05		4.8		4.8	1.3	3.5
SPARKY B	15.1	<0.03		0.4		0.4	0.4	
GENERAL PETROLEUM A	325.0	<0.01		0.1		0.1	0.1	
LLOYDMINSTER A	151.0	<0.04		6.0		6.0	6.0	
LLOYDMINSTER B	200.0	<0.01		0.5		0.5	0.5	
LLOYDMINSTER C	53.1	<0.02		0.6		0.6	0.6	
LLOYDMINSTER D	55.6	<0.01		0.1		0.1	0.1	
LLOYDMINSTER E	131.0	0.08		10.5		10.5	7.9	2.6
LLOYDMINSTER F	105.0	0.10		10.5		10.5		10.5
LLOYDMINSTER G	132.0	0.05		6.6		6.6	2.8	3.8
LLOYDMINSTER H	83.9	0.10		8.4		8.4	5.6	2.8
DETRITAL B	9.8	<0.01		0.1		0.1		0.1
D-2 D	2 260.0	0.10		226.0		226.0	58.6	167.4
D-2A & CAMROSE A	909.0	0.10		90.9		90.9	24.4	66.5
ENCHANT 014-16W4								
UPPER MANNVILLE B	219.0	0.06		13.1		13.1	11.7	1.4
UPPER MANNVILLE D	605.0	<0.01		2.6		2.6	2.6	
UPPER MANNVILLE H	40.4	0.10		4.0		4.0	3.8	0.2
UPPER MANNVILLE I	112.0	0.06		6.7		6.7	3.8	2.9
UPPER MANNVILLE M	50.7	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE S	131.0	0.10		13.1		13.1	0.8	12.3

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
65	0.91	0.150	0.34	0.86	60	892	32	10 230	1 049.0	1977	78 12 - SUSP 83 10
32	4.00	0.230	0.35	0.89	41	890	33	9 720	1 079.5	1978	79 02 - GPP
64	3.50	0.120	0.40	0.89	40	861	36	9 760	1 056.0	1980	81 09 - GPP
50	1.50	0.230	0.22	0.89	43	887	37	11 056	1 108.3	1983	87 12 - GPP
32	3.40	0.240	0.18	0.89	45	887	38	9 134	1 134.0	1984	85 03
16	1.50	0.160	0.48	0.89	47	900	35	9 392	1 077.3	1984	85 03
64	5.00	0.170	0.43	0.86	55	855	38	9 347	1 216.3	1985	85 11 - GPP
64	3.40	0.210	0.26	0.89	45	823	32	10 824	1 074.1	1986	86 10
32	5.79	0.250	0.50	0.90	41	898	34	11 480	1 105.8	1968	73 12 - ABAND 72 11
65	2.74	0.270	0.25	0.89	42	915	38	10 800	1 139.0	1974	83 12 - ABAND 77 01
32	4.30	0.190	0.42	0.89	48	892	34	11 066	1 131.1	1975	85 12
64	4.00	0.160	0.28	0.85	66	864	34	10 800	1 113.9	1979	80 01
64	5.00	0.160	0.55	0.85	75	869	36	10 635	1 347.5	1980	84 05 - GPP
64	1.80	0.140	0.55	0.85	53	855	41	10 252	1 334.9	1980	88 12 - SUSP 81 05
32	3.60	0.170	0.40	0.89	38	910	37	11 214	1 098.6	1981	82 09 - ABAND 83 03
64	2.00	0.160	0.50	0.85	58	865	40	10 797	1 362.2	1981	83 10 - SUSP 84 05
64	7.50	0.140	0.55	0.85	76	869	36	10 272	1 357.5	1981	84 05 - GPP
32	3.30	0.220	0.40	0.89	46	910	36	10 794	1 109.0	1983	84 06
32	2.56	0.150	0.40	0.89	37	862	35	10 685	1 085.3	1984	84 11
32	3.80	0.180	0.40	0.89	44	900	34	10 385	1 102.6	1979	85 03 - SUSP 85 01
64	4.70	0.165	0.50	0.88	47	898	38	10 178	1 286.5	1984	85 06 - ABAND 86 08
85	1.50	0.200	0.42	0.88	48	887	38	9 898	1 249.2	1985	87 12 - GPP
64	2.38	0.174	0.36	0.85	47	887	37	10 180	1 293.9	1958	88 09 - GPP
32	1.30	0.175	0.68	0.90	40	905	35	11 010	1 047.8	1984	84 12 - SUSP 84 10
64	4.50	0.040	0.35	0.89	43	864	38	10 300	1 174.3	1980	85 12 - SUSP 83 09
64	3.60	0.060	0.25	0.85	64	875	39	10 472	1 363.7	1981	84 12 - SUSP 85 08
275					44	931	28	5 480	751.6	1969	88 06
22	2.46	0.290	0.20	0.97							
253	4.23	0.290	0.25	0.97							- GPP
65	3.66	0.270	0.25	0.96	23	910	24	5 480	741.9	1969	85 12
464					18	911	28	5 380	766.3	1975	87 02
192	4.20	0.270	0.18	0.94							
272	2.39	0.270	0.18	0.94							- GPP
32	2.00	0.300	0.30	0.96	14	908	30	5 251	755.6	1983	85 10
16	1.10	0.300	0.45	0.97	10	908	31	4 549	775.6	1985	86 07
64	1.00	0.270	0.33	0.97	7	956	29	5 575	792.0	1981	85 08 - SUSP 86 10
32	1.80	0.300	0.22	0.97	10	910	32	5 221	778.6	1985	85 09
32	5.41	0.270	0.24	0.97	11	917	31	5 307	788.5	1981	84 10 - GPP
16	3.50	0.300	0.30	0.97	7	910	27	4 992	779.0	1984	85 10 - SUSP 86 06
226	2.06	0.290	0.32	0.94	13	972	25	4 340	554.7	1948	85 12 - GPP
32	2.79	0.290	0.46	0.96	10	961	28	4 204	545.2	1985	86 09
16	2.90	0.250	0.35	0.97	13	938	25	4 052	644.0	1979	82 06
16	8.00	0.200	0.60	0.93	27	855	29	3 445	648.0	1984	85 03
16	1.00	0.280	0.65	0.96	12	955	25	4 217	637.5	1980	86 01 - ABAND 88 08
64	4.20	0.260	0.50	0.93	27	855	29	4 773	640.2	1984	85 05 - SUSP 87 08
16	5.18	0.240	0.21	0.96	12	940	25	4 275	685.5	1975	78 12 - SUSP 83 05
16	4.90	0.330	0.20	0.96	12	934	25	4 260	674.5	1977	78 05 - SUSP 85 01
16	2.00	0.270	0.36	0.96	14	959	33	4 700	655.2	1980	80 07 - SUSP 84 08
16	2.00	0.270	0.33	0.96	12	951	25	3 800	686.5	1980	84 12 - SUSP 83 05
32	1.80	0.300	0.21	0.96	12	946	25	4 311	703.9	1979	85 12 - GPP
16	2.60	0.350	0.26	0.97	12	965	28		667.7	1985	88 04
16	3.70	0.310	0.25	0.96	17	959	28	3 779	662.7	1980	82 04
16	2.47	0.280	0.21	0.96				4 240	669.0	1976	77 12
16	0.60	0.190	0.44	0.96	14	959	28	4 264	633.5	1984	88 12 - SUSP 84 02
341	6.35	0.170	0.36	0.96	17	959	25	4 166	639.6	1983	87 07
110	7.79	0.170	0.35	0.96	17	959	25	4 552	646.6	1983	87 08
64	2.65	0.240	0.40	0.89	48	915	30	11 310	978.7	1966	82 12 - GPP
361	1.52	0.200	0.38	0.89	56	915	27	10 650	983.9	1968	70 02 - SUSP 70 12
16	3.10	0.140	0.35	0.90	46	919	23	11 470	1 014.1	1977	79 12
65	1.83	0.180	0.38	0.85	62	855	24	10 870	1 015.3	1977	86 12
16	2.50	0.210	0.33	0.90	35	931	60	9 850	1 041.5	1981	83 02 - ABAND 86 09
32	4.00	0.140	0.19	0.90	42	913	33	10 931	994.0	1987	88 06

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10³m³	frac	frac	10³m³	10³m³	10³m³	10³m³	10³m³
ENCHANT 014-16W4 (CONTINUED)								
LOWER MANNVILLE B	332.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	122.0	0.10		12.2		12.2	0.4	11.8
LOWER MANNVILLE F	178.0	0.05		8.9		8.9	2.2	6.7
SUNBURST A	189.0	<0.01		1.8		1.8	1.8	
ELLIS A	243.0	0.05		12.2		12.2	5.6	6.6
ELLIS B	141.0	0.15		21.2		21.2	14.7	6.5
ELLIS C	800.0	0.15		120.0		120.0	84.9	35.1
ELLIS D	1 690.0	0.25		423.0		423.0	196.8	226.2
ESTHER 032-02W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	88.6	11.4
UPPER MANNVILLE F	88.0	0.10		8.8		8.8	3.9	4.9
UPPER MANNVILLE I	145.0	0.10		14.5		14.5	8.7	5.8
UPPER MANNVILLE J	68.4	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE K	71.9	0.05		3.6		3.6	1.6	2.0
UPPER MANNVILLE L	180.0	0.20		36.0		36.0	17.2	18.8
BANFF G	59.1	0.15		8.9		8.9	4.6	4.3
BANFF H	30.8	0.05		1.5		1.5	0.9	0.6
BAKKEN A	57.9	<0.01		0.2		0.2	0.2	
EYREMORE 018-18W4								
LOWER MANNVILLE A	331.0	<0.01		0.1		0.1	0.1	
FERGUSON 003-17W4								
LOWER MANNVILLE A	373.0	0.05		18.7		18.7	6.1	12.6
GILBY 041-03W5								
RUNDLE K	625.0	0.02		12.6		12.6	9.6	3.0
GLADYS 020-27W4								
RUNDLE D	366.0	<0.01		0.1		0.1	0.1	
GLENEVIS 055-04W5								
BANFF	3 620.0	0.45		1 630.0		1 630.0	1 339.8	290.2
GRAINDALE 026-02W4								
LOWER MANNVILLE C	83.0	<0.01		0.8		0.8	0.8	
LOWER MANNVILLE D	83.0	<0.01		0.1		0.1	0.1	
GRAND FORKS 011-13W4								
UPPER MANNVILLE A	170.0	<0.01		1.0		1.0	1.0	
UPPER MANNVILLE B TOTAL	2 971.0			446.0	797.0	1 243.0	995.6	247.4
PRIMARY AREA	21.2	0.15		3.2		3.2		
WATER FLOOD AREA	2 950.0	0.15	0.27	443.0	797.0	1 240.0		
UPPER MANNVILLE E	74.3	0.10		7.4		7.4	2.7	4.7
UPPER MANNVILLE F	198.0	0.10		19.8		19.8	6.8	13.0
LOWER MANNVILLE D WATER FLOOD	15 600.0	0.12	0.28	1 870.0	4 360.0	6 230.0	5 003.9	1 226.1
LOWER MANNVILLE H WATER FLOOD	524.0	0.30	0.05	157.0	26.2	183.0	126.1	56.9
LOWER MANNVILLE M	362.0	0.10		36.2		36.2	21.1	15.1
LOWER MANNVILLE N	415.0	0.10		41.5		41.5	16.5	25.0
LOWER MANNVILLE X	148.0	0.05		7.4		7.4	1.7	5.7
LOWER MANNVILLE Y	80.2	<0.05		3.3		3.3	3.3	
LOWER MANNVILLE CC	24.6	0.10		2.5		2.5	0.6	1.9
LOWER MANNVILLE EE	35.6	<0.03		1.0		1.0	1.0	
LOWER MANNVILLE NN	45.1	0.15		6.8		6.8	0.7	6.1
LOWER MANNVILLE PP	237.0	0.10		23.7		23.7	14.8	8.9
LOWER MANNVILLE K&V WATER FLOOD	4 500.0	0.15	0.35	675.0	1 570.0	2 250.0	1 680.9	569.1
SAWTOOTH A	1 013.0	0.20		203.0		203.0	104.6	98.4
SAWTOOTH B	580.0	0.10		58.0		58.0	25.1	32.9
SAWTOOTH C	138.0	0.15		20.7		20.7	11.2	9.5
SAWTOOTH D	1 727.0	0.30		518.0		518.0	151.0	367.0
SAWTOOTH E	21.9	0.10		2.2		2.2	1.7	0.5
SAWTOOTH F	163.0	0.10		16.3		16.3	12.8	3.5
SAWTOOTH G	33.6	0.10		3.4		3.4	1.8	1.6
SAWTOOTH H	71.3	0.15		10.7		10.7	6.6	4.1
SAWTOOTH I	691.0	0.10		69.1		69.1	46.6	22.5
SAWTOOTH J	322.0	0.25		81.0		81.0	37.3	43.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	4.57	0.220	0.40	0.85	53	855	38	11 510	1 040.9	1968	69 06 - ABAND 69 09
32	3.00	0.220	0.35	0.89	15	922	24	12 130	1 093.9	1978	88 07
64	3.00	0.160	0.35	0.89	53	855	34	11 180	999.8	1978	79 12
65	3.96	0.150	0.40	0.82	82	855	38	11 190	1 032.7	1976	84 12 - SUSP 82 12
64	3.00	0.240	0.40	0.88	15	880	30	5 000	1 028.1	1953	86 05 - GPP
64	2.51	0.220	0.54	0.87	53	934	28	10 815	989.3	1983	87 08
128	3.92	0.240	0.30	0.95	15	875	34	11 052	991.4	1985	87 07 - GPP
545	2.44	0.220	0.32	0.85	67	875	32	11 135	990.1	1981	88 12 - GPP
384	1.46	0.250	0.25	0.95	24	959	29	7 330	720.5	1977	83 12
32	2.70	0.170	0.37	0.95	22	950	25	7 081	759.0	1979	83 12 - GPP
64	1.78	0.200	0.33	0.95	20	955	29	7 105	732.8	1984	87 01
16	3.00	0.300	0.50	0.95	21	929	27	7 970	812.0	1984	85 08 - SUSP 85 06
32	1.20	0.270	0.27	0.95	40	957	27	6 521	735.6	1985	86 03
22	4.50	0.320	0.40	0.95	20	948	30	4 200	793.9	1969	88 12 - GPP
16	2.70	0.240	0.40	0.95	21	946	29	7 413	826.9	1984	87 12
16	2.30	0.160	0.45	0.95	21	959	26	7 541	812.1	1982	85 04 - GPP
16	3.20	0.170	0.30	0.95	30	973	29	7 120	790.0	1984	88 12 - SUSP 86 04
64	5.20	0.180	0.35	0.85	67	881	33	9 880	1 152.9	1978	82 12 - SUSP 78 12
64	7.15	0.150	0.44	0.97	10	935	30	9 038	908.7	1969	83 05
65	19.14	0.075	0.17	0.81	66	915	69	15 400	2 056.8	1971	75 12
32	25.50	0.120	0.55	0.83	74	948	54	18 530	2 032.5	1979	82 12 - ABAND 82 02
537	10.49	0.113	0.36	0.89	43	934	43	10 694	1 325.9	1954	79 12 - GPP
16	4.00	0.210	0.35	0.95	21	975	30	8 887	936.6	1980	81 01 - SUSP 83 12
16	4.20	0.200	0.35	0.95	25	993	33	8 334	967.7	1980	81 04 - SUSP 83 02
65	2.13	0.200	0.35	0.95	18	921	36	10 590	912.6	1972	73 03 - ABAND 73 04
283					17	887	34	10 750	921.7	1971	88 04
16	1.10	0.190	0.34	0.96							
267	5.84	0.270	0.27	0.96							- GPP
32	2.20	0.200	0.45	0.96	18	886	34	10 328	912.1	1983	88 12
32	5.00	0.230	0.44	0.96	14	905	32	9 436	907.5	1984	85 05
865	9.92	0.250	0.25	0.97	30	881	31	10 620	907.7	1968	85 09 - GPP
86	3.17	0.260	0.23	0.96	21	934	32	10 620	952.2	1971	84 09 - GPP
134	2.06	0.200	0.31	0.95	21	921	33	10 766	902.5	1974	85 09
64	3.81	0.230	0.22	0.95	23	899	34	10 780	902.8	1971	85 09
16	5.20	0.240	0.23	0.96	16	933	33	10 284	901.0	1981	82 12
32	1.23	0.300	0.30	0.97	9	952	34	10 518	929.7	1972	77 12 - SUSP 85 12
32	1.50	0.120	0.55	0.95	18	888	34	8 518	912.4	1981	82 12
32	1.20	0.150	0.35	0.95	16	886	31	10 507	867.8	1982	88 12 - SUSP 86 07
32	1.70	0.150	0.43	0.97	11	904	28	11 672	869.4	1984	85 03 - SUSP 86 09
32	4.00	0.260	0.25	0.95	10	887	37	10 154	894.0	1975	85 09
384	5.88	0.250	0.16	0.95	18	892	32	11 301	908.9	1973	85 09 - GPP
202	3.99	0.210	0.37	0.95	18	892	42	10 720	884.2	1965	88 12 - GPP
220	2.53	0.180	0.39	0.95	18	909	42	10 760	934.7	1978	86 05 - GPP
32	3.50	0.200	0.35	0.95	20	922	30	10 370	897.5	1980	86 12 - GPP
250	6.20	0.230	0.49	0.95	20	912	31	10 531	938.3	1980	88 12 - GPP
16	1.00	0.240	0.40	0.95	17	935	39	10 819	951.0	1981	86 12
64	2.80	0.120	0.20	0.95	18	903	42	10 846	898.9	1979	83 12
32	0.90	0.150	0.18	0.95	18	931	42	10 561	933.2	1980	83 12
64	1.00	0.170	0.31	0.95	20	4	37	10 563	953.5	1978	88 12
128	3.20	0.240	0.26	0.95	18	892	42	10 124	900.6	1958	85 12 - GPP
80	3.33	0.240	0.47	0.95	19	891	32	10 595	885.0	1983	87 03 - GPP

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE	2 RECOVERY	3	4 INITIAL ESTABLISHED RESERVES	5	6	7 CUMULATIVE PRODUCTION	8 REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
GRAND FORKS 011-13W4 (CONTINUED)								
SAWTOOTH K	32.4	0.10		3.2		3.2	0.3	2.9
SAWTOOTH L	1 530.0	0.25		383.0		383.0	261.9	121.1
SAWTOOTH N	1 670.0	0.25		418.0		418.0	229.6	188.4
SAWTOOTH O	3 727.0	0.30		1 118.0		1 118.0	698.6	419.4
SAWTOOTH Q	1 221.0	0.13		159.0		159.0	89.6	69.4
SAWTOOTH S	1 400.0	0.30		420.0		420.0	319.2	100.8
SAWTOOTH T	2 150.0	0.30		645.0		645.0	427.8	217.2
SAWTOOTH U	526.0	0.07		36.8		36.8	23.4	13.4
SAWTOOTH V	456.0	0.07		32.0		32.0	26.7	5.3
SAWTOOTH W	590.0	0.20		118.0		118.0	62.9	55.1
SAWTOOTH X	285.0	0.15		42.8		42.8	8.2	34.6
SAWTOOTH Y	211.0	0.10		21.1		21.1	9.3	11.8
SAWTOOTH Z	61.3	<0.03		1.5		1.5	1.5	
SAWTOOTH AA	22.1	<0.01		0.1		0.1		0.1
SAWTOOTH CC	57.5	0.30		17.3		17.3	7.1	10.2
SAWTOOTH EE	314.0	0.10		31.4		31.4	6.8	24.6
SAWTOOTH FF	31.8	<0.01		0.1		0.1		0.1
SAWTOOTH GG TOTAL	504.0			100.0	14.6	115.0	72.4	42.6
PRIMARY AREA	212.0	0.20		42.4		42.4		
WATER FLOOD AREA	292.0	0.20	0.05	58.0	14.6	73.0		
SAWTOOTH HH	199.0	0.10		19.9		19.9	8.0	11.9
SAWTOOTH II	879.0	0.20		176.0		176.0	17.7	158.3
SAWTOOTH JJ	220.0	0.10		22.0		22.0	1.0	21.0
SAWTOOTH KK	283.0	0.10		28.3		28.3	10.5	17.8
SAWTOOTH LL	676.0	0.15		101.0		101.0	97.4	3.6
SAWTOOTH MM TOTAL	4 312.0	<0.30	0.15	1 281.0	610.0	1 891.0	1 411.8	479.2
PRIMARY AREA	72.3	0.15		10.8		10.8		
WATER FLOOD AREA	4 240.0	<0.30	0.15	1 270.0	610.0	1 880.0		
SAWTOOTH NN TOTAL	1 436.0			216.0	219.0	435.0	248.1	186.9
PRIMARY AREA	559.0	0.15		83.9		83.9		
WATER FLOOD AREA	877.0	0.15	0.25	132.0	219.0	351.0		
SAWTOOTH OO TOTAL	2 060.0			300.0	700.0	1 000.0	728.7	271.3
PRIMARY AREA	64.8	<0.01		0.1		0.1		
WATER FLOOD AREA	2 000.0	0.15	0.35	300.0	700.0	1 000.0		
SAWTOOTH PP	300.0	<0.02		3.2		3.2	3.2	
SAWTOOTH QQ	32.0	<0.05		1.5		1.5	1.5	
SAWTOOTH RR	196.0	0.03		5.9		5.9	1.9	4.0
SAWTOOTH SS	2 048.0	0.30		614.0		614.0	262.8	351.2
SAWTOOTH VV	622.0	0.25		156.0		156.0	69.7	86.3
SAWTOOTH WW TOTAL	3 348.0			670.0	900.0	1 570.0	928.1	641.9
PRIMARY AREA	348.0	0.20		69.6		69.6		
WATER FLOOD AREA	3 000.0	0.20	0.30	600.0	900.0	1 500.0		
SAWTOOTH XX	54.7	<0.01		0.1		0.1		0.1
SAWTOOTH YY	29.9	0.05		1.5		1.5	0.4	1.1
SAWTOOTH ZZ	222.0	0.15		33.3		33.3	11.3	22.0
SAWTOOTH AAA	197.0	0.10		19.7		19.7	0.5	19.2
SAWTOOTH BBB	34.7	0.15		5.2		5.2	0.2	5.0
SAWTOOTH CCC	891.0	0.10		89.1		89.1	22.1	67.0
SAWTOOTH DDD	245.0	0.20		49.0		49.0	8.4	40.6
SAWTOOTH EEE	332.0	0.10		33.2		33.2	8.0	25.2
SAWTOOTH FFF	175.0	0.10		17.5		17.5	0.4	17.1
GREENCOURT 059-09W5								
PEKISKO A & JURASSIC A	2 510.0	0.04		100.0		100.0	97.8	2.2
PEKISKO C	136.0	<0.01		0.5		0.5	0.5	
GREENCOURT EAST 059-06W5								
JURASSIC A	88.0	<0.01		0.6		0.6	0.6	
BANFF A	180.0	<0.01		0.3		0.3	0.3	
BANFF B	135.0	<0.01		0.6		0.6	0.6	
GUNN 055-03W5								
BANFF A	150.0	0.10		15.0		15.0	1.3	13.7

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	2.81	0.217	0.65	0.95	20	90	33	10 268	932.9	1983	84 10 - SUSP 86 10
221	5.43	0.230	0.41	0.94	22	910	32	5 200	864.8	1979	87 12 - GPP
107	9.41	0.260	0.33	0.95	18	907	34	10 460	918.3	1984	88 11 - GPP
505	5.63	0.230	0.40	0.95	21	887	33	10 860	906.0	1966	88 12 - GPP
213	4.00	0.260	0.42	0.95	16	921	31	10 472	936.3	1975	88 06 - GPP
222	4.29	0.230	0.32	0.94	21	886	33	10 600	813.8	1965	86 12 - GPP
219	5.99	0.240	0.28	0.95	21	886	33	10 300	880.5	1965	86 12 - GPP
96	5.02	0.230	0.50	0.95	15	905	34	10 172	898.5	1953	88 12 - GPP
64	5.17	0.250	0.42	0.95	15	905	34	10 260	923.2	1953	87 05 - GPP
80	5.41	0.230	0.37	0.94	25	910	32	10 515	868.9	1980	87 12 - GPP
32	7.80	0.240	0.50	0.95	20	920	30	10 222	915.3	1985	86 02
32	4.20	0.220	0.25	0.95	14	900	34	10 086	907.0	1985	86 03 - GPP
32	2.10	0.190	0.50	0.96	16	906	47	10 269	938.4	1985	86 03 - SUSP 86 07
32	1.10	0.165	0.60	0.95	20	911	30	10 090	941.3	1985	86 03 - ABAND 86 06
16	2.50	0.275	0.45	0.95	15	905	34	1 012	906.3	1985	88 12
48	5.54	0.230	0.46	0.95	19	899	33	10 086	929.6	1986	87 11 - GPP
16	1.22	0.260	0.35	0.95	19	887	34	10 410	943.1	1974	83 12 - SUSP 76 05
122					21	892	33	10 580	940.9	1973	87 12
58	2.00	0.260	0.26	0.95							
64	2.50	0.260	0.26	0.95							- GPP
16	7.80	0.240	0.30	0.95	1 447	888	33	10 232	894.9	1986	86 07
32	17.80	0.250	0.35	0.95	18	904	33	9 761	907.6	1986	87 02
64	4.90	0.180	0.59	0.95	15	922	34	9 445	900.1	1986	87 03
108	2.32	0.200	0.40	0.94	24	911	30	10 805	914.1	1987	88 05
57	7.47	0.260	0.35	0.94	20	904	33	10 790	902.8	1965	80 12 - GPP
1 098					18	887	31	10 780	917.7	1957	88 11
16	2.80	0.280	0.40	0.96							
1 082	2.30	0.250	0.29	0.96							- GPP
173					40	946	32	10 650	908.9	1971	88 12 - GPP
64	5.83	0.240	0.35	0.96							
109	5.37	0.240	0.35	0.96							
461					21	887	33	10 760	933.6	1971	85 12
16	2.25	0.250	0.25	0.96							
445	2.40	0.260	0.25	0.96							- GPP
32	6.10	0.270	0.40	0.95	19	887	83	10 310	897.3	1973	85 12
16	1.29	0.180	0.12	0.98	10	946	21	10 449	948.7	1978	88 12 - SUSP 86 08
64	2.08	0.250	0.33	0.88	50	921	34	10 834	963.3	1979	82 09
256	4.90	0.250	0.29	0.92	64	941	21	10 515	955.3	1954	88 12 - GPP
96	5.20	0.230	0.43	0.95	18	892	42	10 583	894.5	1979	88 12 - GPP
572					31	885	32	10 665	926.9	1983	88 12 - GPP
64	3.41	0.256	0.33	0.93							
508	3.60	0.255	0.33	0.96							
32	3.00	0.200	0.70	0.95	16	886	31	10 257	858.0	1983	83 11 - SUSP 83 10
16	1.80	0.180	0.40	0.96	22	895	32	10 412	910.4	1984	88 07
16	7.70	0.250	0.25	0.96	22	895	32	10 424	911.9	1984	84 10 - GPP
64	4.40	0.210	0.65	0.95	27	891	34	10 842	920.3	1987	87 10
16	1.70	0.210	0.36	0.95	14	906	34	9 550	910.9	1987	87 12
80	17.90	0.250	0.29	0.95	14	899	34		908.2	1987	88 01 - GPP
48	4.23	0.209	0.38	0.93	31	887	32		927.7	1987	88 03 - GPP
64	3.35	0.270	0.37	0.91	31	887	32		917.6	1987	88 03
64	1.90	0.220	0.31	0.95	16	886	31	9 667	879.1	1987	88 03
540	5.30	0.130	0.25	0.90	49	915	58	11 090	1 456.3	1961	82 12 - GPP
65	3.35	0.090	0.20	0.87	48	898	60	11 200	1 474.2	1968	69 01 - SUSP 70 05
32	3.00	0.180	0.40	0.85	46	915	70	10 799	1 247.8	1980	85 12 - SUSP 83 05
32	9.30	0.100	0.32	0.89	40	922	50	10 171	1 255.7	1981	84 12 - SUSP 84 04
32	10.78	0.074	0.40	0.88	43	934	51	9 353	1 245.8	1980	84 12 - SUSP 84 04
64	3.50	0.100	0.25	0.89	46	933	43	10 240	1 350.0	1978	80 02 - SUSP 87 01

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
HAIRY HILL 055-14W4								
VIKING K	36.9	<0.01		0.1		0.1		0.1
COLONY T	60.8	<0.01		0.1		0.1	0.1	
HARD 103-06W6								
PEKISKO B	981.0	<0.01		0.1		0.1		0.1
HAYS 013-14W4								
LOWER MANNVILLE A WATER FLOOD	3 600.0	0.16	0.29	576.0	1 040.0	1 620.0	1 514.8	105.2
LOWER MANNVILLE G	108.0	0.12		13.0		13.0	11.7	1.3
LOWER MANNVILLE H	85.5	0.05		4.3		4.3		4.3
LOWER MANNVILLE I	49.6	0.10		5.0		5.0	3.1	1.9
LOWER MANNVILLE M	734.0	0.15		110.0		110.0	52.9	57.1
LOWER MANNVILLE N	12.9	0.15		2.0		2.0	1.7	0.3
LOWER MANNVILLE O	1 802.0	0.15		270.0		270.0	33.4	236.6
LOWER MANNVILLE P	989.0	0.15		148.0		148.0	7.9	140.1
LOWER MANNVILLE Q	272.0	0.20		54.4		54.4	9.3	45.1
SAWTOOTH A	210.8	0.20		42.2		42.2	11.9	30.3
SAWTOOTH B	1 771.0	0.20		354.0		354.0	135.2	218.8
SAWTOOTH C	1 524.0	0.40		610.0		610.0	305.4	304.6
SAWTOOTH D	876.0	0.20		175.0		175.0	96.4	78.6
SAWTOOTH F	194.0	0.10		19.4		19.4	9.4	10.0
SAWTOOTH G	125.0	0.10		12.5		12.5	1.1	11.4
ARCS A	437.0	0.10		43.7		43.7	1.0	42.7
ARCS D	68.0	0.05		3.4		3.4		3.4
ARCS E	272.0	0.10		27.2		27.2		27.2
ARCS F	590.0	0.05		29.5		29.5	3.1	26.4
NISKU A	199.0	0.15		29.9		29.9	1.7	28.2
HAYTER 041-01W4								
UPPER MANNVILLE A	90.1	0.05		4.5		4.5	3.8	0.7
COLONY A	111.0	<0.01		0.1		0.1		0.1
COLONY B	282.0	0.05		14.1		14.1	8.3	5.8
COLONY C	43.9	0.15		6.6		6.6	5.4	1.2
SPARKY A TOTAL	3 742.0			262.0	92.5	355.0	288.4	66.6
PRIMARY AREA	662.0	0.07		46.3		46.3		
WATER FLOOD AREA	3 080.0	0.07	0.03	216.0	92.5	309.0		
SPARKY B	262.0	0.05		13.2		13.2	6.1	7.1
SPARKY C	162.0	0.05		8.1		8.1	1.5	6.6
SPARKY G	63.0	0.05		3.2		3.2	2.9	0.3
SPARKY H	36.2	<0.01		0.2		0.2	0.2	
SPARKY I	89.1	<0.02		1.2		1.2	1.2	
SPARKY J	51.4	0.10		5.1		5.1	2.0	3.1
SPARKY K	34.6	0.05		1.7		1.7	1.4	0.3
SPARKY L	378.0	0.05		18.9		18.9	5.9	13.0
SPARKY M	99.1	0.05		5.0		5.0	2.7	2.3
SPARKY N	115.0	<0.01		0.2		0.2	0.2	
SPARKY O	62.5	<0.01		0.2		0.2	0.2	
SPARKY P	38.4	<0.02		0.5		0.5	0.5	
SPARKY R	29.4	0.01		0.3		0.3	0.3	
SPARKY S	74.6	0.10		7.5		7.5	0.9	6.6
SPARKY D & E	1 216.0	0.10		122.0		122.0	76.0	46.0
CUMMINGS A	57.0	0.05		2.9		2.9	1.1	1.8
CUMMINGS B	295.0	0.05		14.8		14.8	10.8	4.0
DINA A TOTAL	12 290.0			788.0	948.0	1 736.0	917.7	818.3
PRIMARY AREA	4 937.0	0.10		494.0		494.0		
WATER FLOOD AREA	7 350.0	0.04	0.13	294.0	948.0	1 242.0		
DINA B	37 630.0	0.02		753.0		753.0	522.6	230.4
DINA C	1 402.0	0.02		28.0		28.0	15.0	13.0
DINA D	366.0	0.07		25.6		25.6	14.9	10.7
DINA H	252.0	0.05		12.6		12.6	2.4	10.2
DINA I	4 160.0	0.10		416.0		416.0	128.6	287.4
DINA J	258.0	0.02		5.2		5.2	1.4	3.8
DINA L	158.0	<0.01		0.2		0.2	0.2	
DINA M	530.0	0.05		26.5		26.5	0.5	26.0
HEATHDALE 026-09W4								
GLAUCONITIC B	27.7	0.10		2.8		2.8	1.6	1.2
LOWER MANNVILLE B	151.0	0.05		7.6		7.6	0.1	7.5
HECTOR 016-17W4								
UPPER MANNVILLE B	158.0	0.02		3.2		3.2	1.9	1.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	1.60	0.160	0.50	0.90	41	904	22	4 429	486.0	1976	85 07 - SUSP 83 11
16	2.00	0.300	0.36	0.99	10	952	20	3 648	541.0	1982	83 02 - SUSP 82 12
64	13.10	0.160	0.23	0.95	50	915	27	2 946	630.7	1980	83 05 - SUSP 84 11
386	4.94	0.280	0.25	0.90	38	865	31	10 363	950.4	1964	83 12 - GPP
64	2.14	0.160	0.44	0.88	21	887	30	10 940	963.2	1978	80 12
16	3.50	0.240	0.33	0.95	21	959	32	11 140	997.5	1978	79 06
32	1.00	0.220	0.20	0.88	37	865	28	12 218	946.0	1980	83 12
128	3.48	0.222	0.21	0.94	37	873	31	5 586	953.6	1984	89 09
16	0.70	0.170	0.28	0.94	37	878	58	6 673	970.4	1986	87 05
128	7.64	0.260	0.23	0.92	35	890	31	11 810	944.1	1983	88 03
64	8.00	0.280	0.25	0.92	35	860	31		943.5	1987	88 04
32	3.80	0.280	0.15	0.94	37	873	31	10 674	949.4	1986	88 09
97	2.00	0.220	0.48	0.95	20	876	30	3 250	974.5	1985	86 10 - GPP
540	2.56	0.260	0.44	0.88	40	904	38	10 950	974.4	1967	88 12
390	2.68	0.270	0.40	0.90	21	898	38	10 912	963.1	1967	88 12 - GPP
160	3.68	0.260	0.35	0.88	60	887	32	10 920	952.0	1969	88 12
64	1.89	0.260	0.33	0.92	37	893	58	10 686	953.3	1983	84 09 - GPP
32	2.00	0.290	0.25	0.90	37	894	34	10 641	972.0	1987	87 12
128	6.16	0.090	0.30	0.88	43	868	46	11 126	1 328.7	1987	88 03
64	2.70	0.073	0.38	0.87	52	862	35		1 360.4	1987	88 06
32	10.20	0.120	0.21	0.88	49	883	35	12 805	1 314.0	1987	88 08
64	7.50	0.198	0.31	0.90	40	898	36	11 764	1 347.8	1987	87 01
64	3.40	0.138	0.19	0.82	74	895	33	12 454	1 352.7	1985	86 05
32	2.20	0.220	0.40	0.97	12	930	27	5 191	809.3	1980	83 12
16	5.20	0.250	0.45	0.97	14	951	26	4 438	618.0	1980	80 10 - ABAND 87 07
64	2.81	0.260	0.38	0.97	11	972	28	4 832	682.8	1983	84 07
16	2.00	0.280	0.50	0.98	8	950	24	4 523	651.0	1982	88 12
1 256					13	910	29	5 690	795.2	1968	87 12
176	2.13	0.280	0.35	0.97							
1 080	1.37	0.290	0.26	0.97							
65	2.13	0.280	0.30	0.97	15	915	27	5 790	739.4	1971	73 12 - SUSP 87 05
64	1.54	0.260	0.35	0.97	12	921	37	5 760	776.0	1972	73 01
16	2.50	0.280	0.42	0.97	12	919	32	5 162	687.5	1979	80 06
16	1.60	0.270	0.46	0.97	19	920	23	4 800	717.6	1979	83 12 - SUSP 83 12
32	2.14	0.240	0.44	0.97	12	925	32	5 375	711.7	1980	88 12 - SUSP 86 07
16	1.30	0.300	0.15	0.97	14	921	20	5 110	744.7	1981	82 03
16	2.00	0.250	0.55	0.96	18	934	26	5 023	672.3	1980	82 03
80	2.37	0.290	0.29	0.97	11	911	31	5 790	739.5	1981	82 04
16	3.50	0.240	0.24	0.97	11	939	28	5 058	734.3	1979	80 01
32	2.40	0.280	0.45	0.97	12	920	27	5 495	737.0	1972	88 12 - SUSP 73 01
16	2.30	0.250	0.30	0.97	12	920	26	5 570	736.7	1983	83 11 - SUSP 85 08
16	1.50	0.300	0.45	0.97	11	925	28	5 273	718.8	1983	88 12 - SUSP 86 08
16	1.50	0.230	0.45	0.97	11	920	26	5 876	771.1	1983	88 12 - SUSP 86 05
32	1.68	0.270	0.47	0.97	10	920	27	5 778	784.9	1986	86 11 - SUSP 87 11
418	1.86	0.260	0.38	0.97	16	930	25	4 000	741.9	1972	88 12
16	2.50	0.210	0.30	0.97	10	911	33	4 713	758.7	1981	82 04
109	1.81	0.240	0.35	0.96	17	904	29		735.7	1981	88 11 - GPP
707					13	921	24	5 190	788.6	1969	87 08 - GPP
308	6.80	0.300	0.19	0.97							
399	8.01	0.300	0.21	0.97							- GPP
1 384	11.24	0.290	0.14	0.97	20	965	28	5 500	778.5	1969	86 10 - GPP
112	7.03	0.270	0.32	0.97	13	958	26	5 070	782.3	1979	87 10 - GPP
32	5.24	0.300	0.25	0.97	9	938	34	5 140	700.5	1979	87 12
16	8.40	0.280	0.31	0.97	11	970	30	5 595	771.6	1979	80 07 - SUSP 87 09
191	8.06	0.320	0.13	0.97	11	960	27	5 063	771.2	1984	88 11 - GPP
16	6.50	0.320	0.20	0.97	11	970	31	5 118	777.6	1984	84 02
16	6.00	0.280	0.37	0.93	15	989	29	4 977	858.3	1985	86 03 - ABAND 86 12
32	7.65	0.290	0.23	0.97	11	960	27	5 500	777.4	1987	87 11 - GPP
16	1.00	0.280	0.35	0.95	18	949	34	9 501	1 028.0	1982	83 03
16	12.00	0.180	0.52	0.91	36	939	35	8 558	1 004.3	1987	88 04
32	8.00	0.140	0.50	0.88	52	913	33	12 108	1 082.2	1982	85 12 - SUSP 86 12

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
		RECOVERY		INITIAL ESTABLISHED RESERVES				
	INITIAL VOLUME IN PLACE 10^3m^3	PRIMARY frac	ENHANCED frac	PRIMARY 10^3m^3	ENHANCED 10^3m^3	TOTAL 10^3m^3	CUMULATIVE PRODUCTION 10^3m^3	REMAINING ESTABLISHED RESERVES 10^3m^3
HORSEFLY LAKE 008-16W4								
MANNVILLE TOTAL	6 380.0			516.0	680.0	1 200.0	1 051.2	148.8
PRIMARY AREA	721.0	0.05		36.1		36.1		
WATER FLOOD AREA	5 660.0	<0.08	0.13	480.0	680.0	1 160.0		
MANNVILLE B	154.0	0.10		15.4		15.4	10.1	5.3
ISLAY 050-04W4								
CUMMINGS A	113.0	<0.01		0.1		0.1		0.1
JENNER 020-09W4								
UPPER MANNVILLE A	260.0	0.13		33.8		33.8	29.3	4.5
UPPER MANNVILLE E WATER FLOOD	3 810.0	0.10	0.15	381.0	572.0	953.0	806.8	146.2
UPPER MANNVILLE F	4 260.0	0.04		170.0		170.0	154.9	15.1
UPPER MANNVILLE M	242.0	<0.01		0.2		0.2		0.2
UPPER MANNVILLE O	6 322.0	0.10		632.0		632.0	223.9	408.1
UPPER MANNVILLE V	267.0	0.05		13.4		13.4	1.7	11.7
UPPER MANNVILLE W	80.9	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	87.4	0.10		8.7		8.7	0.6	8.1
UPPER MANNVILLE Y	16.1	0.10		1.6		1.6	0.9	0.7
UPPER MANNVILLE Z	173.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE CC	62.0	0.10		6.6		6.6	1.4	5.2
UPPER MANNVILLE DD	243.0	0.04		9.7		9.7	5.0	4.7
LOWER MANNVILLE A	259.0	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE C	60.3	0.02		1.2		1.2	1.2	
PEKISKO A	95.3	<0.07		6.1		6.1	6.1	
PEKISKO B	466.0	<0.01		0.3		0.3	0.3	
PEKISKO C	106.0	0.05		5.3		5.3	0.3	5.0
PEKISKO D	501.0	<0.01		0.2		0.2	0.2	
PEKISKO E	50.7	<0.01		0.1		0.1		0.1
PEKISKO F	52.7	0.10		5.3		5.3	1.6	3.7
JOHNSON 016-14W4								
GLAUCONITIC B TOTAL	1 146.0			171.0	179.6	351.0	135.0	216.0
PRIMARY AREA	248.0	0.15		37.2		37.2		
WATER FLOOD AREA	898.0	0.15	0.20	134.7	179.6	314.3		
GLAUCONITIC C	693.0	0.15		104.0		104.0	64.6	39.4
GLAUCONITIC E	148.0	0.10		14.8		14.8	10.3	4.5
JUMPBUSH 020-19W4								
UPPER MANNVILLE B	1 000.0	0.10		100.0		100.0	60.6	39.4
UPPER MANNVILLE H	747.0	0.10		74.7		74.7	32.6	42.1
LOWER MANNVILLE A	66.0	0.03		2.0		2.0	0.9	1.1
KEHO 011-22W4								
BANFF A	46.8	<0.02		0.8		0.8	0.8	
KILLAM 043-10W4								
COLONY F	140.0	0.05		7.0		7.0	3.9	3.1
LOWER MANNVILLE A	58.1	<0.02		0.7		0.7	0.7	
ELLERSLIE CC	229.0	<0.01		1.6		1.6	1.6	
KIRKWALL 027-05W4								
COLONY A	110.0	<0.01		0.1		0.1	0.1	
LAFINE 025-05W4								
BANFF A	25.5	0.05		1.3		1.3	0.2	1.1
LATHOM 020-17W4								
UPPER MANNVILLE A WATER FLOOD	4 200.0	0.15	0.35	630.0	1 470.0	2 100.0	1 879.5	220.5
UPPER MANNVILLE C WATER FLOOD	800.0	0.11	0.29	88.0	232.0	320.0	276.8	43.2
UPPER MANNVILLE D	344.0	0.15		51.6		51.6	35.0	16.6
UPPER MANNVILLE E	87.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE H	188.0	0.10		18.8		18.8		18.8
UPPER MANNVILLE I	185.0	0.10		18.5		18.5	2.0	16.5
UPPER MANNVILLE J	60.1	0.10		6.0		6.0		6.0
LOWER MANNVILLE A	266.0	0.10		26.6		26.6	16.7	9.9
LOWER MANNVILLE B	72.1	<0.02		0.9		0.9	0.9	
LOWER MANNVILLE C	508.0	<0.01		0.9		0.9	0.9	

HEAVY CRUDE OIL POOLS

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
1 200					16	887	33	10 200	961.6	1963	84 04
176	4.31	0.175	0.44	0.97							
1 024	5.50	0.185	0.44	0.97							
64	2.85	0.160	0.45	0.96	23	900	40	9 533	958.1	1980	86 04
16	3.50	0.300	0.30	0.96	17	978	26	6 704	701.3	1980	82 03 - ABAND 83 05
186	1.22	0.220	0.42	0.90	37	927	32	10 140	967.7	1965	86 12 - GPP
918	2.07	0.297	0.25	0.90	37	927	33	10 690	989.1	1964	76 01 - GPP
377	6.83	0.260	0.30	0.91	29	952	33	10 410	935.1	1965	80 12 - GPP
32	5.49	0.230	0.35	0.91	35	946	31	10 270	941.2	1971	74 12 - SUSP 71 10
531	7.11	0.260	0.30	0.92	37	952	33	10 510	954.3	1972	88 12 - GPP
16	9.90	0.240	0.26	0.95	37	960	35	10 042	937.7	1973	85 01 - SUSP 85 11
16	3.35	0.224	0.26	0.91	38	948	30	4 900	948.1	1983	83 10 - ABAND 85 11
16	3.73	0.230	0.33	0.95	38	941	24	10 200	912.7	1984	84 11 - SUSP 87 11
16	0.77	0.208	0.34	0.95	20	954	28	10 490	915.2	1984	85 01
16	5.90	0.300	0.33	0.91	29	959	32	10 170	959.6	1954	88 12 - SUSP 85 10
16	3.60	0.210	0.45	0.93	29	955	32	10 330	954.0	1987	88 08
32	5.06	0.250	0.34	0.91	29	952	33	10 170	933.9	1965	88 12 - GPP
32	4.57	0.240	0.20	0.91	29	940	32	10 790	979.0	1965	67 05 - SUSP 69 11
16	3.00	0.230	0.40	0.91	42	944	32	10 569	987.5	1981	88 12 - ABAND 84 11
64	3.29	0.100	0.50	0.90	81	946	33	10 890	1 001.6	1964	73 02 - ABAND 72 02
28	23.77	0.112	0.30	0.90	81	946	41	10 620	1 036.6	1966	68 02 - ABAND 69 02
32	6.10	0.120	0.50	0.90	81	946	34	10 760	991.8	1966	68 10
65	4.27	0.300	0.35	0.93	29	972	32	10 780	991.2	1971	72 05 - ABAND 77 02
32	5.50	0.080	0.60	0.90	41	943	33	10 695	987.3	1980	82 12 - SUSP 82 08
16	9.00	0.080	0.48	0.88	50	950	27	10 767	974.5	1986	87 09 - SUSP 87 11
119					50	891	30	10 855	1 029.5	1982	88 11
16	8.60	0.250	0.18	0.88							
103	4.83	0.250	0.18	0.88							- GPP
118	3.57	0.234	0.20	0.88	50	888	31	8 600	1 021.4	1983	88 10
64	2.50	0.150	0.30	0.88	53	893	31	10 733	1 029.6	1983	85 12
256	3.03	0.210	0.26	0.83	73	845	40	11 360	1 329.2	1972	84 01
192	3.35	0.200	0.30	0.83	69	860	35	11 284	1 326.0	1972	85 09
16	3.08	0.210	0.25	0.85	56	887	41	11 430	1 405.8	1977	83 12 - SUSP 87 06
16	7.20	0.055	0.23	0.96	10	964	51	21 124	1 720.3	1980	81 06 - ABAND 84 10
16	4.20	0.330	0.24	0.83	209	908	26	5 237	702.1	1979	80 11
16	1.93	0.260	0.23	0.94	24	954	36	6 510	873.0	1978	85 12 - ABAND 83 12
32	3.70	0.260	0.20	0.93	21	908	34	6 584	962.2	1984	85 06 - ABAND 86 06
16	7.00	0.220	0.54	0.97	9	956	35	7 492	888.2	1980	83 05 - ABAND 86 12
16	6.00	0.050	0.42	0.88	37	982	38	9 460	957.8	1987	88 01 - SUSP 87 12
426	6.31	0.230	0.20	0.85	66	876	35	10 480	1 171.0	1968	83 12 - GPP
159	3.92	0.210	0.30	0.87	62	887	45	10 640	1 141.5	1970	87 02
110	2.50	0.210	0.30	0.85	66	876	35	10 270	1 174.7	1968	88 12
65	1.22	0.210	0.38	0.85	51	849	40	10 260	1 183.5	1973	74 03 - SUSP 74 02
64	2.00	0.230	0.25	0.85	66	869	32	9 990	1 218.6	1980	80 12
64	3.90	0.120	0.29	0.87	56	869	36	10 279	1 176.7	1987	88 06
64	1.00	0.180	0.40	0.87	56	869	37	9 605	1 197.5	1983	88 08
128	1.64	0.200	0.28	0.88	41	876	31	10 980	1 185.1	1973	80 07 - GPP
32	3.05	0.160	0.48	0.88	41	876	35	11 000	1 209.4	1973	79 01 - SUSP 78 09
64	9.00	0.210	0.50	0.84	76	901	37	11 022	1 250.7	1983	84 06 - ABAND 88 03

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LEAMAN 057-09W5								
PEKISKO A	98.0	<0.06		5.6		5.6	5.6	
PEKISKO B	33.2	<0.01		0.1		0.1	0.1	
PEKISKO C	31.3	<0.01		0.1		0.1	0.1	
LECKIE 019-17W4								
UPPER MANNVILLE B	429.0	0.06		25.7		25.7	20.4	5.3
UPPER MANNVILLE C	85.7	0.10		8.6		8.6	2.2	6.4
LOWER MANNVILLE A	195.0	<0.01		1.2		1.2	1.2	
LITTLE BOW 015-19W4								
BOW ISL G,UP MANN BB & LOWER MANNVILLE T	494.0	0.10		49.4		49.4	38.4	11.0
UPPER MANNVILLE D TOTAL	2 383.0			95.3	165.0	260.0	107.8	152.2
PRIMARY AREA	883.0	0.04		35.3		35.3		
WATER FLOOD AREA	1 500.0	0.04	0.11	60.0	165.0	225.0		
UPPER MANNVILLE F	192.0	0.10		19.2		19.2	2.0	17.2
UPPER MANNVILLE G WATER FLOOD	1 800.0	0.10	0.25	180.0	270.0	450.0	159.6	290.4
UPPER MANNVILLE H	74.2	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE I WATER FLOOD	1 700.0	0.10	0.10	170.0	170.0	340.0	158.9	181.1
UPPER MANNVILLE J	210.0	0.05		10.5		10.5	5.9	4.6
UPPER MANNVILLE [illegible] TOTAL	1 211.0			60.6	100.0	161.0	74.5	86.5
PRIMARY AREA	211.0	0.05		10.6		10.6		
WATER FLOOD AREA	1 000.0	0.05	0.10	50.0	100.0	150.0		
UPPER MANNVILLE M	147.0	0.06		8.8		8.8	8.1	0.7
UPPER MANNVILLE N	21.2	<0.05		0.9		0.9	0.9	
UPPER MANNVILLE O	146.0	0.05		7.3		7.3	2.4	4.9
UPPER MANNVILLE P	400.0	0.10		40.0		40.0	25.8	14.2
UPPER MANNVILLE Q	50.4	0.07		3.5		3.5	2.1	1.4
UPPER MANNVILLE R	45.3	0.05		2.3		2.3	1.7	0.6
UPPER MANNVILLE S	2 400.0	0.03		72.0		72.0	18.7	53.3
UPPER MANNVILLE T WATER FLOOD	1 200.0	0.10	0.10	120.0	120.0	240.0	113.4	126.6
UPPER MANNVILLE U WATER FLOOD	1 700.0	0.10	0.15	170.0	255.0	425.0	164.4	260.6
UPPER MANNVILLE V	50.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE W WATER FLOOD	1 800.0	0.10	0.15	180.0	270.0	450.0	157.0	293.0
UPPER MANNVILLE Y	69.1	0.10		6.9		6.9	3.4	3.5
UPPER MANNVILLE Z	51.1	0.10		5.1		5.1	3.3	1.8
UPPER MANNVILLE CC	44.9	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE DD	50.5	0.01		0.5		0.5	0.5	
UPPER MANNVILLE II	1 223.0	0.10		122.0		122.0	18.4	103.6
UPPER MANNVILLE JJ	25.9	0.10		2.6		2.6		2.6
LOWER MANNVILLE A	134.0	0.05		6.7		6.7	4.4	2.3
LOWER MANNVILLE E	234.0	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE H	86.0	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE I	78.3	0.10		7.8		7.8	4.2	3.6
LOWER MANNVILLE J	278.0	0.04		11.1		11.1	7.8	3.3
LOWER MANNVILLE L	48.0	<0.04		1.9		1.9	1.9	
LOWER MANNVILLE M	40.3	0.10		4.0		4.0	1.8	2.2
LOWER MANNVILLE N	27.4	<0.02		0.4		0.4	0.4	
LOWER MANNVILLE P	23.5	<0.04		0.9		0.9	0.9	
LOWER MANNVILLE U	57.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE V	28.4	<0.01		0.2		0.2	0.2	
LIVINGSTONE A	91.7	<0.01		0.1		0.1	0.1	
LLOYDMINSTER 050-01W4								
COLONY D	188.0	0.05		9.4		9.4	6.0	3.4
COLONY E	55.0	<0.01		0.4		0.4	0.4	
COLONY F	300.0	0.05		15.0		15.0	8.6	6.4
COLONY G	113.0	0.05		5.6		5.6	5.0	0.6
COLONY H	48.0	<0.03		1.1		1.1	1.1	
COLONY I	32.0	<0.01		0.1		0.1	0.1	
COLONY J	106.0	0.05		5.3		5.3	4.1	1.2
COLONY K	40.9	0.05		2.1		2.1	0.7	1.4
COLONY N	61.6	<0.02		1.0		1.0	1.0	
COLONY O	45.7	0.05		2.3		2.3	0.7	1.6
COLONY T	307.0	<0.01		0.6		0.6	0.6	

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.10	0.100	0.42	0.85	50	916	71	12 460	1 688.5	1978	79 08 - SUSP 84 07
16	6.40	0.080	0.55	0.90	37	963	61	12 423	1 650.8	1981	83 10 - SUSP 83 08
16	6.60	0.070	0.53	0.90	37	963	61	12 134	1 615.2	1981	83 10 - SUSP 83 09
87	3.06	0.250	0.25	0.86	64	887	34	10 890	1 134.2	1967	88 12
32	2.20	0.180	0.24	0.89	58	900	40	10 561	1 169.1	1987	88 01
32	5.18	0.190	0.32	0.90	33	887	44	11 620	1 174.7	1967	68 10 - ABAND 69 10
96	4.27	0.200	0.33	0.90	54	934	33	12 220	1 147.0	1975	84 09
592					66	904	56	12 270	1 184.5	1968	86 12
320	2.38	0.190	0.30	0.87							
272	4.76	0.190	0.30	0.87							
64	3.96	0.140	0.40	0.90	44	952	37	12 170	1 127.2	1969	69 03 - GPP
240	4.31	0.230	0.16	0.90	44	946	38	12 130	1 132.3	1970	87 01
65	1.22	0.190	0.45	0.90	43	921	38	13 460	1 117.7	1970	74 12 - SUSP 84 05
115	10.66	0.230	0.33	0.90	44	927	33	12 250	1 094.3	1974	85 06 - GPP
130	1.68	0.160	0.33	0.90	44	927	34	11 220	1 106.7	1974	78 05
176					44	927	32	11 790	1 128.0	1976	88 12
64	2.19	0.220	0.24	0.90							
112	6.10	0.220	0.26	0.90							- GPP
64	2.10	0.180	0.30	0.87	57	887	36	12 180	1 221.0	1977	81 12
16	1.20	0.170	0.28	0.90	44	928	35	12 280	1 154.4	1978	79 04 - SUSP 84 06
32	3.00	0.220	0.23	0.90	55	915	32	11 200	1 095.5	1979	85 12
64	4.47	0.210	0.26	0.90	47	864	32	10 768	1 131.9	1979	85 12 - GPP
32	2.50	0.100	0.30	0.90	68	912	36	12 200	1 159.8	1979	85 10 - GPP
32	1.73	0.130	0.30	0.90	58	922	33	11 852	1 162.8	1979	80 07 - SUSP 86 05
303	5.23	0.220	0.24	0.90	47	937	33	11 889	1 075.4	1978	87 08
85	9.20	0.240	0.29	0.90	44	927	33	12 372	1 117.2	1975	85 06 - GPP
140	6.90	0.230	0.13	0.88	49	947	31	11 263	1 126.3	1982	86 05
16	3.60	0.190	0.48	0.88	56	928	34	12 183	1 074.5	1982	83 03 - ABAND 85 10
169	7.12	0.210	0.19	0.88	49	947	32	11 827	1 127.1	1983	86 01
16	3.00	0.200	0.20	0.90	47	946	32	11 638	1 134.8	1983	83 06 - SUSP 83 07
16	1.80	0.240	0.16	0.88	56	928	34	11 638	1 117.7	1972	83 09
16	2.00	0.240	0.35	0.90	47	946	32	11 915	1 169.3	1982	84 02 - ABAND 86 10
16	2.70	0.200	0.35	0.90	44	934	34	12 179	1 144.1	1983	88 12 - SUSP 86 04
300	3.13	0.200	0.26	0.88	57	898	34	12 733	1 196.4	1987	88 07
16	1.50	0.200	0.40	0.90	47	947	32	9 917	1 109.4	1967	88 08
32	5.40	0.160	0.48	0.93	37	951	30	12 240	1 140.6	1968	84 06 - GPP
65	2.13	0.250	0.25	0.90	43	934	41	12 480	1 215.8	1973	77 03 - SUSP 77 09
32	2.70	0.170	0.35	0.90	44	940	38	12 410	1 193.9	1976	79 12 - SUSP 80 10
16	4.27	0.180	0.30	0.90	46	946	33	11 970	1 114.0	1977	77 12 - GPP
16	9.45	0.230	0.12	0.90	44	965	36	12 820	1 198.2	1977	85 12 - GPP
16	3.00	0.170	0.35	0.90	35	950	35	12 730	1 181.0	1979	88 12 - ABAND 83 11
32	1.00	0.200	0.30	0.90	85	970	31	12 070	1 205.8	1979	85 12 - GPP
32	0.80	0.170	0.30	0.90	46	952	33	12 470	1 165.4	1978	88 12 - SUSP 79 12
16	1.60	0.170	0.40	0.90	46	951	31	12 203	1 136.2	1979	88 12 - SUSP 84 11
16	3.80	0.185	0.45	0.93	37	952	30	11 542	1 219.5	1981	83 08 - SUSP 83 11
16	2.30	0.140	0.40	0.92	37	951	30	12 346	1 175.8	1982	84 02 - SUSP 84 10
64	4.00	0.070	0.45	0.93	21	985	42	12 898	1 212.3	1982	83 01 - ABAND 85 05
32	3.26	0.280	0.35	0.99	8	983	25	2 880	547.1	1977	79 06 - GPP
16	1.86	0.300	0.37	0.98	10	961	28	2 970	539.2	1977	88 12 - SUSP 78 07
38	2.77	0.320	0.10	0.99	11	975	28	3 060	548.2	1977	80 12 - GPP
16	3.70	0.320	0.40	0.99	9	962	24	3 000	542.3	1978	79 10 - GPP
8	2.10	0.320	0.10	0.99	10	962	28	3 010	540.6	1975	79 12 - ABAND 84 10
8	2.10	0.320	0.40	0.99	10	980	28	3 020	541.9	1977	84 12 - SUSP 81 08
32	2.00	0.280	0.40	0.99	10	981	28	3 120	542.7	1982	85 12 - GPP
4	4.30	0.320	0.25	0.99	10	970	22	3 447	591.7	1979	84 04
8	4.90	0.270	0.40	0.97	12	988	25	3 050	545.8	1980	88 12 - SUSP 86 04
4	5.50	0.300	0.30	0.99	10	985	28	3 050	573.0	1983	84 08
16	7.30	0.320	0.17	0.99	12	977	25	3 234	495.6	1985	86 05 - ABAND 86 11

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10^3m^3	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10^3m^3	5 INITIAL ESTABLISHED RESERVES ENHANCED 10^3m^3	6 INITIAL ESTABLISHED RESERVES TOTAL 10^3m^3	7 CUMULATIVE PRODUCTION 10^3m^3	8 REMAINING ESTABLISHED RESERVES 10^3m^3
LLOYDMINSTER 050-01W4 (CONTINUED)								
COLONY V	93.0	0.04		3.7		3.7	1.7	2.0
MCLAREN A	1 226.0	0.05		61.3		61.3	11.2	50.1
MCLAREN D	231.0	0.03		6.9		6.9	1.3	5.6
WASECA A	141.0	0.05		7.1		7.1	0.5	6.6
SPARKY B	12 400.0	<0.06		698.0		698.0	471.9	226.1
SPARKY F	8 040.0	0.04		321.0		321.0	290.8	30.2
SPARKY G	19 500.0	0.05		975.0		975.0	674.3	300.7
SPARKY H	1 800.0	0.05		90.0		90.0	56.2	33.8
SPARKY J	3 180.0	0.04		127.0		127.0	91.5	35.5
SPARKY K	21 200.0	0.04		848.0		848.0	722.9	125.1
SPARKY L	793.0	0.03		23.8		23.8	13.9	9.9
SPARKY M	267.0	0.05		13.4		13.4	2.4	11.0
SPARKY N	28.1	<0.03		0.8		0.8	0.8	
SPARKY O	337.0	<0.01		0.9		0.9	0.9	
SPARKY P	651.0	0.02		13.0		13.0	8.1	4.9
SPARKY Q	4 880.0	0.03		146.0		146.0	75.8	70.2
SPARKY R	3 050.0	0.04		122.0		122.0	92.8	29.2
SPARKY S	365.0	<0.02		6.0		6.0	5.1	0.9
SPARKY T	186.0	0.03		5.6		5.6	5.6	
SPARKY U	183.0	<0.02		3.0		3.0	3.0	
SPARKY X	2 860.0	0.01		28.6		28.6	18.2	10.4
SPARKY EE	549.0	0.03		16.5		16.5	13.6	2.9
SPARKY FF	408.0	<0.01		0.4		0.4	0.4	
SPARKY KK	1 610.0	0.05		80.5		80.5	55.2	25.3
SPARKY NN	143.0	<0.01		0.4		0.4	0.4	
SPARKY OO	355.0	<0.01		0.2		0.2	0.2	
SPARKY QQ	46.3	<0.02		0.5		0.5	0.5	
SPARKY RR	124.0	<0.02		1.3		1.3	1.3	
SPARKY SS	201.0	<0.01		0.1		0.1	0.1	
SPARKY TT	144.0	<0.01		0.8		0.8	0.8	
SPARKY UU	105.0	<0.01		0.1		0.1	0.1	
SPARKY VV	1 220.0	0.05		61.0		61.0	11.4	49.6
SPARKY WW	263.0	<0.01		0.1		0.1		0.1
SPARKY XX	760.0	0.05		38.0		38.0	31.1	6.9
SPARKY YY	89.1	<0.01		0.2		0.2	0.2	
SPARKY ZZ	122.0	<0.01		0.5		0.5	0.5	
SPARKY C & GENERAL PETROLEUM A	24 300.0	0.06		1 460.0		1 460.0	1 250.0	210.0
SPARKY & GENERAL PETROLEUM C&D TOT	76 700.0			3 810.0	310.0	4 120.0	2 875.1	1 244.9
PRIMARY AREA	66 200.0	<0.04		2 760.0		2 760.0		
WATER FLOOD AREA	10 500.0	0.10	0.03	1 050.0	310.0	1 360.0		
SPARKY E & GENERAL PETROLEUM F	6 940.0	<0.07		445.0		445.0	333.5	111.5
SPARKY D & GENERAL PETROLEUM B	3 610.0	0.03		108.0		108.0	83.4	24.6
SPARKY I & GENERAL PETROLEUM K	10 300.0	<0.05		416.0		416.0	335.6	80.4
SPARKY AAA	520.0	0.04		20.8		20.8	10.2	10.6
SPARKY BBB	236.0	0.05		11.8		11.8	4.8	7.0
SPARKY EEE	126.0	<0.01		0.1		0.1		0.1
SPARKY FFF	93.9	<0.01		0.1		0.1	0.1	
SPARKY GGG	177.0	0.05		8.9		8.9	3.7	5.2
SPARKY HHH	71.0	<0.01		0.2		0.2	0.2	
SPARKY III	149.0	0.05		7.5		7.5	5.7	1.8
SPARKY JJJ	228.0	0.03		6.8		6.8	2.1	4.7
SPARKY KKK	137.0	<0.01		1.0		1.0	1.0	
SPARKY LLL	336.0	0.05		16.8		16.8	3.4	13.4
SPARKY MMM	60.9	<0.02		1.0		1.0	1.0	
SPARKY NNN	32.9	0.01		0.3		0.3	0.3	
SPARKY OOO	297.0	0.05		14.9		14.9	8.1	6.8
SPARKY PPP	49.4	<0.01		0.1		0.1	0.1	
SPARKY QQQ	71.4	0.05		3.6		3.6	0.9	2.7
SPARKY SSS	166.0	0.02		3.3		3.3	1.8	1.5
SPARKY TTT	150.0	<0.01		0.6		0.6	0.6	
SPARKY UUU	155.0	<0.01		0.9		0.9	0.9	
SPARKY WWW	73.2	0.05		3.7		3.7	1.4	2.3
SPARKY XXX	186.0	0.02		3.7		3.7	2.7	1.0
SPARKY YYY	149.0	0.05		7.5		7.5	0.1	7.4
SPARKY ZZZ	1 740.0	0.05		87.0		87.0	16.4	70.6
SPARKY A2A	236.0	0.05		11.8		11.8	5.0	6.8

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	2.50	0.320	0.25	0.97	13	949	26	2 880	564.9	1984	84 03
128	4.57	0.310	0.31	0.98	12	965	24	3 953	559.0	1983	87 12
16	7.00	0.310	0.32	0.98	7	945	30	2 460	568.5	1985	85 05
16	3.70	0.300	0.20	0.99	9	983	27	3 940	531.7	1982	82 08 - GPP
747	6.18	0.320	0.15	0.99	10	959	19	3 718	583.2	1966	86 11 - GPP
712	3.96	0.320	0.10	0.99	10	959	22	4 010	588.3	1947	77 12 - GPP
1 631	5.44	0.300	0.26	0.99	10	959	22	4 070	599.8	1963	85 12
232	2.72	0.320	0.10	0.99	10	959	22	3 830	544.7	1961	85 12 - GPP
339	3.29	0.320	0.10	0.99	10	959	22	3 990	576.7	1956	76 12
2 397	3.45	0.320	0.19	0.99	10	959	22	3 920	579.0	1947	84 12 - GPP
93	2.99	0.320	0.10	0.99	10	959	22	3 920	574.9	1951	86 07
32	2.90	0.320	0.10	0.99	10	959	22	4 030	595.0	1945	85 06
16	0.61	0.320	0.10	0.99	10	959	22	4 060	598.6	1944	71 06 - ABAND 54 10
32	3.66	0.320	0.10	0.99	10	959	22	4 010	582.8	1940	71 06 - ABAND 56 06
64	3.78	0.320	0.15	0.99	15	980	22	4 050	590.1	1964	87 12 - GPP
377	4.54	0.320	0.10	0.99	10	959	22	4 020	577.6	1944	88 12
240	5.03	0.300	0.15	0.99	10	959	22	4 030	577.9	1967	83 12 - GPP
32	3.96	0.320	0.10	0.99	10	959	22	4 090	600.8	1965	75 07 - GPP
32	2.01	0.320	0.10	0.99	10	959	22	4 020	577.9	1952	71 06 - ABAND 65 10
16	3.96	0.320	0.10	0.99	10	959	22	4 060	577.3	1948	71 06 - ABAND 55 01
228	5.09	0.300	0.17	0.99	6	959	22	4 840	580.0	1974	85 12 - GPP
80	3.04	0.300	0.24	0.99	10	986	22	3 480	569.5	1977	86 12 - GPP
32	5.30	0.300	0.19	0.99	12	979	21	3 380	576.0	1977	83 12 - SUSP 81 07
187	3.72	0.300	0.22	0.99	12	977	24	3 500	565.8	1982	86 11
16	5.00	0.270	0.33	0.99	9	986	27	3 940	568.8	1977	83 12 - SUSP 81 06
16	8.50	0.310	0.15	0.99	9	959	16	3 630	616.3	1978	79 02 - SUSP 85 04
16	1.50	0.300	0.35	0.99	9	985	27	4 070	594.3	1978	83 12 - SUSP 81 12
16	3.30	0.300	0.21	0.99	9	972	23	3 960	572.9	1978	84 12 - SUSP 84 05
16	5.50	0.320	0.28	0.99	9	985	27	4 000	592.8	1978	79 05 - ABAND 84 07
8	6.90	0.340	0.21	0.97	10	975	22	2 640	564.6	1978	83 12 - ABAND 82 10
16	2.90	0.300	0.24	0.99	9	979	27	4 240	627.1	1978	84 12 - ABAND 86 09
80	5.85	0.310	0.15	0.99	10	980	22	4 010	588.5	1979	85 08 - GPP
16	6.10	0.320	0.14	0.98	10	961	24	2 460	548.7	1978	82 12 - ABAND 85 10
108	3.20	0.280	0.19	0.97	10	982	24	2 460	563.6	1978	82 08 - GPP
16	3.00	0.280	0.33	0.99	9	982	25	3 888	528.5	1980	83 12 - ABAND 86 06
16	3.80	0.270	0.25	0.99	8	975	25	4 840	619.7	1980	81 07 - ABAND 85 10
2 162	3.95	0.320	0.10	0.99	10	959	22	4 020	588.0	1948	82 12 - GPP
7 426					10	959	22	4 020	599.5	1939	84 12 - GPP
6 681	3.47	0.320	0.10	0.99							
745	4.94	0.320	0.10	0.99							
513	4.74	0.320	0.10	0.99	10	959	22	3 970	563.6	1951	79 06 - GPP
320	3.96	0.320	0.10	0.99	10	959	22	3 970	573.0	1968	75 07 - GPP
862	4.19	0.320	0.10	0.99	10	959	22	3 990	583.7	1944	79 07 - GPP
64	4.10	0.290	0.31	0.99	9	986	25	3 200	606.2	1980	84 12
32	2.93	0.310	0.18	0.99	10	958	28	3 949	559.0	1980	82 06
16	3.80	0.280	0.25	0.99	9	985	27	4 062	594.6	1981	82 08 - ABAND 83 05
16	2.50	0.300	0.21	0.99	9	988	27	4 103	598.3	1981	82 08 - SUSP 83 11
16	4.50	0.310	0.20	0.99	9	959	28	4 093	597.3	1982	82 11
16	2.30	0.300	0.35	0.99	9	971	23	4 070	595.4	1982	83 01 - SUSP 84 12
32	2.40	0.280	0.30	0.99	10	962	22	3 480	553.7	1982	85 12
16	7.00	0.300	0.30	0.97	10	975	22	4 060	598.5	1982	85 12
8	7.77	0.320	0.29	0.97	10	975	26	4 125	624.9	1979	84 01 - SUSP 84 12
48	3.19	0.300	0.26	0.99	10	975	54	3 960	572.5	1982	84 03
4	7.00	0.330	0.32	0.97	10	975	22	4 820	618.0	1979	83 09 - SUSP 85 11
16	1.00	0.300	0.30	0.98	8	981	22	4 200	622.3	1983	80 03 - ABAND 84 05
32	3.50	0.330	0.18	0.98	8	941	19	3 771	556.4	1983	85 12
16	1.50	0.300	0.30	0.98	8	981	22	4 190	628.3	1983	83 11 - SUSP 85 01
16	2.30	0.280	0.30	0.99	10	990	25	4 060	599.8	1983	84 03
16	5.00	0.300	0.30	0.99	9	980	27	4 050	592.0	1984	84 08
16	4.50	0.300	0.30	0.99	10	992	22	3 989	264.8	1984	84 08 - ABAND 84 03
16	4.50	0.310	0.30	0.99	10	990	22	2 500	565.9	1984	88 12 - SUSP 86 06
16	2.00	0.330	0.30	0.99	10	985	25	3 980	490.8	1979	80 03 - SUSP 86 10
16	4.50	0.310	0.15	0.98	6	980	30	4 642	599.5	1984	85 01
16	4.00	0.300	0.20	0.97	10	970	27	4 090	592.0	1984	85 02 - SUSP 87 02
160	5.67	0.260	0.24	0.97	12	980	26	4 040	596.1	1984	86 06
16	6.20	0.300	0.20	0.99	9	957	41	3 940	557.5	1979	80 03

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
LLOYDMINSTER 050-01W4 (CONTINUED)								
SPARKY B2B	349.0	0.05		17.5		17.5	2.8	14.7
SPARKY C2C	94.7	0.07		6.6		6.6	4.9	1.7
SPARKY D2D	218.0	0.05		10.9		10.9	0.7	10.2
SPARKY E2E	570.0	0.05		28.5		28.5	7.6	20.9
SPARKY F2F	97.2	0.15		14.6		14.6	10.8	3.8
SPARKY G2G	274.0	0.05		13.7		13.7	6.4	7.3
SPARKY I2I	138.0	<0.01		0.1		0.1		0.1
SPARKY J2J	90.2	0.05		4.5		4.5	0.1	4.4
SPARKY L2L	248.0	0.05		12.4		12.4	1.7	10.7
GENERAL PETROLEUM E	186.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM I	1 330.0	0.02		26.6		26.6	15.7	10.9
GENERAL PETROLEUM J	921.0	0.05		46.1		46.1	29.1	17.0
GENERAL PETROLEUM L	47.5	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM M	860.0	0.05		43.0		43.0	30.5	12.5
GENERAL PETROLEUM N	1 346.0	0.05		67.3		67.3	18.1	49.2
GENERAL PETROLEUM O	56.0	<0.01		0.1		0.1		0.1
GENERAL PETROLEUM Q	597.0	<0.01		0.7		0.7	0.7	
GENERAL PETROLEUM R	223.0	0.05		11.2		11.2	3.0	8.2
GENERAL PETROLEUM S	83.2	0.05		4.2		4.2	2.9	1.3
GENERAL PETROLEUM T	106.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM U	57.0	0.05		2.9		2.9		2.9
GENERAL PETROLEUM V	175.0	<0.01		0.1		0.1	0.1	
GENERAL PETROLEUM W	136.0	0.05		6.8		6.8	0.6	6.2
GENERAL PETROLEUM X	715.0	0.05		35.8		35.8	1.2	34.6
REX A	706.0	0.03		21.2		21.2	4.0	17.2
LLOYDMINSTER A	176.0	0.03		5.3		5.3	1.8	3.5
LLOYDMINSTER B	392.0	0.01		3.9		3.9	2.1	1.8
LLOYDMINSTER D	165.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER E	170.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER F	175.0	0.02		3.5		3.5	2.4	1.1
LLOYDMINSTER G	179.0	<0.01		0.1		0.1		0.1
LLOYDMINSTER I	89.6	0.05		4.5		4.5	0.5	4.0
LLOYDMINSTER K	271.0	0.05		13.6		13.6	1.3	12.3
LLOYDMINSTER M	2 150.0	0.05		108.0		108.0	29.3	78.7
CUMMINGS A	359.0	0.03		10.8		10.8	4.5	6.3
CUMMINGS B	487.0	0.05		24.4		24.4	21.0	3.4
CUMMINGS C	66.1	<0.01		0.5		0.5	0.5	
CUMMINGS D	238.0	0.05		11.9		11.9	2.1	9.8
CUMMINGS E	58.7	<0.01		0.1		0.1		0.1
CUMMINGS F	169.0	<0.01		0.5		0.5	0.5	
CUMMINGS G	155.0	0.05		7.7		7.7	1.0	6.7
CUMMINGS H	163.0	<0.01		0.1		0.1		0.1
MAJEAU 056-04W5								
LOWER MANNVILLE A	39.6	<0.01		0.3		0.3	0.3	
LOWER MANNVILLE B	62.5	<0.03		1.4		1.4	1.4	
LOWER MANNVILLE D	64.7	0.10		6.5		6.5	3.5	3.0
LOWER MANNVILLE F	147.0	0.10		14.7		14.7	1.3	13.4
BANFF B	529.0	0.10		52.9		52.9	1.7	51.2
BANFF C	36.6	<0.02		0.6		0.6	0.6	
WABAMUN B	106.0	0.05		5.3		5.3	0.4	4.9
MAJORVILLE 018-19W4								
UPPER MANNVILLE B	1 627.0	0.15		244.0		244.0	165.0	79.0
UPPER MANNVILLE C	297.0	0.10		29.7		29.7	12.9	16.8
UPPER MANNVILLE G	136.0	0.15		20.4		20.4	1.0	19.4
UPPER MANNVILLE H	101.0	<0.03		3.0		3.0	3.0	
LOWER MANNVILLE A	160.0	<0.04		5.4		5.4	5.4	
LOWER MANNVILLE C	82.0	0.05		4.1		4.1	0.4	3.7
LOWER MANNVILLE D	193.0	0.10		19.3		19.3	0.1	19.2
MANNVILLE 051-09W4								
UPPER MANNVILLE A	826.0	0.03		24.8		24.8	11.3	13.5
UPPER MANNVILLE B	405.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE M	420.0	<0.01		1.3		1.3	1.3	
LOWER MANNVILLE D	151.0	<0.01		0.2		0.2	0.2	
MARWAYNE 053-01W4								
SPARKY B	149.0	0.03		4.5		4.5	0.4	4.1
LLOYDMINSTER A	302.0	0.03		9.1		9.1	2.2	6.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m3/m3	15 DENSITY kg/m3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
32	4.82	0.300	0.23	0.98	12	980	24	4 060	502.8	1985	88 03
16	3.39	0.200	0.10	0.97	9	999	24	3 740	511.1	1965	80 05 - SUSP 87 12
16	5.00	0.320	0.14	0.99	10	985	30	3 850	548.0	1985	85 08 - SUSP 87 08
32	7.28	0.320	0.22	0.98	10	979	19	3 274	543.4	1985	87 03
16	2.13	0.320	0.10	0.99	7	959	19	3 750	512.0	1965	86 03
16	7.00	0.330	0.25	0.99	10	986	22	4 724	549.0	1980	80 07
16	3.35	0.320	0.19	0.99	10	930	30	3 715	601.5	1974	88 12 - SUSP 84 06
16	2.70	0.300	0.29	0.98	8	981	22	3 747	605.2	1980	87 08 - SUSP 87 08
16	7.10	0.300	0.25	0.97	10	975	22	3 920	572.3	1985	88 10
16	4.27	0.320	0.15	0.99	12	959	21	3 448	602.0	1974	88 12 - ABAND 75 09
198	2.76	0.300	0.18	0.99	9	974	25	3 282	599.0	1977	85 12 - GPP
96	3.94	0.300	0.18	0.99	10	984	25	3 620	588.4	1975	86 10 - GPP
8	2.74	0.270	0.20	0.99	9	979	27	3 910	588.0	1977	78 05 - SUSP 78 09
80	4.52	0.300	0.20	0.99	8	984	27	3 730	568.7	1977	85 12 - GPP
210	2.84	0.300	0.24	0.99	9	983	27	3 068	580.8	1977	88 12
8	4.00	0.270	0.35	0.99	9	972	27	3 068	615.0	1979	79 10 - ABAND 80 05
16	12.70	0.330	0.10	0.99	10	970	27	4 094	607.7	1981	82 04 - ABAND 87 04
16	5.00	0.320	0.12	0.99	9	974	25	3 719	567.5	1981	82 08
16	2.50	0.280	0.25	0.99	10	988	25	3 836	641.8	1982	82 09 - GPP
16	3.00	0.280	0.20	0.99	9	959	22	3 557	615.2	1983	88 12 - ABAND 84 06
8	3.00	0.300	0.20	0.99	9	983	27	3 840	575.0	1984	84 08
16	4.50	0.310	0.20	0.98	6	970	30	3 780	555.3	1984	85 07 - ABAND 85 06
16	3.50	0.310	0.21	0.99	24	930	26	4 705	571.3	1985	85 11
64	4.35	0.320	0.19	0.99	14	980	26	3 844	562.9	1985	86 10
16	20.00	0.300	0.25	0.98	10	965	25	4 017	600.8	1952	87 09
16	4.88	0.285	0.20	0.99	8	979	27	3 790	610.2	1973	82 12 - SUSP 83 09
32	5.70	0.310	0.30	0.99	10	959	22	3 450	605.0	1974	85 04 - GPP
16	4.20	0.310	0.20	0.99	9	973	27	4 200	605.7	1977	83 12 - SUSP 80 07
16	4.20	0.320	0.20	0.99	11	992	25	4 220	607.8	1977	83 12 - ABAND 85 10
16	4.60	0.300	0.20	0.99	8	974	27	4 200	605.4	1975	85 07
16	7.62	0.270	0.45	0.99	10	991	27	4 930	654.0	1978	79 04 - SUSP 82 08
16	2.50	0.290	0.22	0.99	22	975	25	4 239	610.0	1983	83 09 - SUSP 87 07
16	6.70	0.290	0.12	0.99	22	978	25	3 810	602.7	1983	84 08 - SUSP 87 09
108	7.72	0.310	0.16	0.99	10	983	27	4 295	684.3	1983	85 06
32	5.07	0.290	0.23	0.99	10	972	30	4 356	630.9	1977	82 10 - GPP
32	6.40	0.305	0.20	0.99	9	973	27	4 340	632.8	1977	85 12 - GPP
16	2.10	0.280	0.29	0.99	9	980	29	5 250	727.5	1978	79 06 - SUSP 85 11
16	6.30	0.280	0.15	0.99	9	988	29	4 462	655.2	1982	83 04 - GPP
16	1.90	0.270	0.27	0.98	9	980	29	4 050	697.8	1983	83 11 - ABAND 84 05
16	4.50	0.300	0.21	0.99	90	973	29	3 844	647.8	1979	88 12 - SUSP 85 11
16	4.30	0.320	0.29	0.99	9	972	27	4 340	632.9	1985	86 07
16	4.20	0.310	0.21	0.99	9	972	29	4 700	635.2	1987	87 11 - ABAND 87 10
32	1.40	0.170	0.35	0.80	145	920	32	9 735	1 223.0	1981	84 12 - SUSP 82 10
16	5.00	0.140	0.38	0.90	70	921	58	9 650	1 245.0	1980	88 12 - SUSP 86 01
32	2.50	0.150	0.35	0.83	66	934	49	9 434	1 249.6	1979	85 12
32	4.07	0.172	0.27	0.90	38	921	46	9 548	1 248.2	1980	87 03
65	8.84	0.160	0.35	0.89	43	898	44	10 450	1 319.5	1974	77 03
64	1.30	0.100	0.45	0.80	87	903	32	10 560	1 210.3	1982	83 02 - ABAND 86 02
32	8.50	0.090	0.51	0.88	51	889	47	10 472	1 388.3	1983	87 03
208	4.92	0.220	0.15	0.85	58	887	60	11 810	1 330.4	1975	87 05
65	3.05	0.240	0.26	0.85	58	887	60	12 740	1 424.3	1975	76 09 - GPP
64	2.00	0.180	0.30	0.84	72	870	40	12 125	1 382.0	1986	87 05
64	2.00	0.140	0.32	0.83	70	872	42	12 169	1 380.5	1981	82 06 - SUSP 87 03
64	3.66	0.160	0.50	0.85	66	876	40	12 810	1 344.5	1976	85 12 - ABAND 87 11
64	1.80	0.135	0.38	0.85	60	872	40	12 379	1 387.1	1987	88 03
64	3.30	0.200	0.45	0.83	83	903	45	11 880	1 386.7	1986	86 12
80	4.88	0.300	0.28	0.98	10	972	33	4 900	626.8	1971	82 12 - GPP
65	2.74	0.310	0.25	0.98	10	979	33	4 830	619.7	1971	72 12 - ABAND 72 05
65	3.05	0.310	0.30	0.98	10	979	21	3 480	586.7	1974	78 01 - SUSP 77 11
16	3.90	0.320	0.23	0.98	6	994	30	4 377	719.0	1981	82 04 - ABAND 85 08
16	3.50	0.320	0.16	0.99	8	985	25	3 888	522.8	1978	79 12
16	9.20	0.300	0.31	0.99	10	981	25	3 000	559.0	1982	84 02

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
MATZIWIN 023-14W4								
PEKISKO A	1 050.0	0.11		116.0		116.0	104.1	11.9
PEKISKO B	168.0	<0.02		2.3		2.3	2.3	
MEDICINE HAT 012-05W4								
GLAUCONITIC C	30 920.0	0.03		928.0		928.0	257.0	671.0
GLAUCONITIC E	847.0	0.05		42.4		42.4	2.8	39.6
LOWER MANNVILLE A	130.0	0.10		13.0		13.0	9.7	3.3
LOWER MANNVILLE C	127.0	0.10		12.7		12.7	9.8	2.9
LOWER MANNVILLE I	252.0	0.05		12.6		12.6	5.5	7.1
LOWER MANNVILLE K	70.3	<0.03		1.5		1.5	1.5	
MEDICINE RIVER 039-03W5								
ELKTON-SHUNDA B	1 262.0	0.15		189.0		189.0	102.1	86.9
MORGAN 051-04W4								
SPARKY A	5 520.0	0.05		276.0		276.0	242.7	33.3
SPARKY B	109.0	0.05		5.5		5.5		5.5
WAINWRIGHT A	112.0	0.04		4.5		4.5	2.7	1.8
LLOYDMINSTER A	57 500.0	0.01		575.0		575.0	413.4	161.6
LLOYDMINSTER B	1 740.0	0.05		87.0		87.0	3.6	83.4
LLOYDMINSTER D	465.0	0.02		9.3		9.3	1.5	7.8
DINA A	159.0	<0.01		0.2		0.2	0.2	
NORRIS 053-18W4								
UPPER MANNVILLE H	166.0	0.05		8.3		8.3	3.4	4.9
GLAUCONITIC A	82.1	<0.01		0.6		0.6	0.6	
PADDLE RIVER 057-08W5								
RUNDLE	6 040.0	<0.04		203.6		203.6	203.6	
PARADISE 047-02W4								
CUMMINGS A	100.0	<0.01		0.1		0.1	0.1	
PENDANT D'OREILLE 003-08W4								
MANNVILLE D	427.0	<0.01		1.2		1.2	1.2	
MANNVILLE L	96.9	<0.01		0.1		0.1		0.1
PLAIN 053-12W4								
COLONY E	243.0	<0.02		4.0		4.0	4.0	
PRINCESS 020-11W4								
BASAL MANNVILLE E	953.0	<0.01		4.4		4.4	4.4	
BASAL MANNVILLE I	235.0	0.10		23.5		23.5	6.5	17.0
BASAL MANNVILLE D	690.0	<0.01		1.1		1.1	1.1	
BASAL MANNVILLE P	1 260.0	0.04		50.4		50.4	46.1	4.3
BASAL MANNVILLE Q	775.0	<0.01		2.8		2.8	2.8	
BASAL MANNVILLE R	248.0	<0.01		1.3		1.3	1.3	
BASAL MANNVILLE U	137.0	<0.01		0.2		0.2	0.2	
BASAL MANNVILLE V	182.0	0.05		9.1		9.1	5.2	3.9
BASAL MANNVILLE W	80.2	0.10		8.0		8.0	4.7	3.3
BASAL MANNVILLE X	122.0	<0.01		0.3		0.3	0.3	
PEKISKO A	1 710.0	0.15		257.0		257.0	220.3	36.7
PEKISKO B	360.0	0.07		25.2	ERSO	25.2	17.8	7.4
PEKISKO C	55.1	<0.01		0.3		0.3	0.3	
PEKISKO D	94.0	0.15		14.1	ERSO	14.1	8.4	5.7
PEKISKO E	80.0	0.20		16.0	ERSO	16.0	10.8	5.2
PEKISKO F	65.5	0.10		6.6		6.6	0.8	5.8
JEFFERSON A	531.0	0.10		53.1		53.1	53.1	
PROVOST 036-07W4								
MANNVILLE V	185.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE A	10 100.0	0.03		303.0		303.0	182.3	120.7
UPPER MANNVILLE B	34 200.0	0.03		1 020.0		1 020.0	491.5	528.5
UPPER MANNVILLE C	1 000.0	0.05		50.0		50.0	44.9	5.1
UPPER MANNVILLE E	133.0	0.07		9.3		9.3	7.4	1.9
UPPER MANNVILLE M	250.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE Q	44.2	<0.03		1.3		1.3	1.3	
UPPER MANNVILLE U	39.1	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE V	75.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	33.5	<0.01		0.1		0.1		0.1

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
296	5.40	0.104	0.30	0.90	53	915	35	9 960	1 021.1	1962	87 12 - GPP
32	6.25	0.132	0.30	0.90	53	892	35	9 860	1 008.6	1962	67 02 - ABAND 71 11
2 576	8.66	0.220	0.30	0.90	45	960	26	10 051	828.0	1984	87 10
64	9.83	0.220	0.32	0.90	55	911	32		823.8	1987	88 01
40	2.55	0.230	0.43	0.97	9	960	31	10 000	887.8	1978	86 12 - GPP
64	2.10	0.210	0.50	0.90	44	958	27	10 060	891.0	1979	85 12 - GPP
112	2.75	0.150	0.40	0.91	37	945	30	10 202	927.3	1976	84 11 - GPP
16	2.44	0.230	0.14	0.91	35	979	32	10 516	1 030.8	1977	84 09 - SUSP 84 10
623	6.00	0.060	0.25	0.75	59	940	70	17 590	2 296.4	1973	88 12
622	4.07	0.290	0.24	0.99	9	992	21	3 450	539.6	1977	85 12 - GPP
16	3.30	0.280	0.25	0.98	8	981	22	3 450	527.3	1983	88 10
16	4.00	0.200	0.10	0.97	9	999	24	2 650	556.0	1965	86 12
3 016	7.08	0.320	0.15	0.99	7	993	21	3 336	559.1	1976	85 02 - GPP
96	7.71	0.300	0.20	0.98	10	980	25	1 768	558.9	1983	84 12
16	10.80	0.320	0.15	0.99	12	994	25	3 325	564.0	1984	85 04
16	4.50	0.300	0.25	0.98	10	980	25	2 824	595.1	1983	84 03 - ABAND 84 07
32	2.80	0.300	0.30	0.88	30	918	35	5 698	855.2	1979	86 12
16	3.10	0.280	0.35	0.91	40	930	29	5 730	861.5	1980	81 09 - ABAND 82 03
1 616	6.92	0.075	0.20	0.90	39	959	63	12 310	1 568.5	1956	71 12 - SUSP 71 11
16	2.47	0.320	0.20	0.99	9	999	27	5 320	637.7	1977	79 08 - SUSP 83 06
65	6.40	0.210	0.40	0.82	80	910	38	8 370	863.8	1968	75 10 - ABAND 74 10
32	3.60	0.180	0.43	0.82	28	923	33	7 871	857.5	1977	88 12 - ABAND 80 05
64	2.20	0.280	0.34	0.95	11	927	29	4 910	617.2	1974	82 12 - GPP
262	3.05	0.200	0.33	0.89	53	915	33	9 960	979.9	1968	68 09 - ABAND 79 09
64	3.26	0.220	0.43	0.90	40	892	32	9 259	993.2	1965	82 11
65	8.53	0.220	0.39	0.93	32	940	34	10 380	1 004.6	1972	75 12 - SUSP 75 05
195	5.30	0.219	0.38	0.90	46	910	37	9 910	968.7	1972	75 12 - GPP
129	5.56	0.207	0.42	0.90	48	892	33	10 340	1 021.7	1972	83 12 - ABAND 83 12
64	4.03	0.184	0.42	0.90	47	927	33	9 090	964.4	1973	75 12 - ABAND 81 11
32	4.40	0.180	0.40	0.90	42	922	32	10 187	969.7	1982	83 09 - SUSP 84 10
16	11.20	0.190	0.40	0.89	45	928	33	10 393	972.0	1983	84 02
32	1.75	0.230	0.30	0.89	47	923	33	10 383	972.6	1983	85 12
32	4.80	0.170	0.48	0.90	42	918	31	10 310	994.0	1986	86 06 - SUSP 86 05
543	6.00	0.070	0.15	0.88	50	881	31	10 960	1 016.5	1946	81 12 - GPP
101	5.03	0.108	0.25	0.88	49	892	34	10 520	1 022.2	1978	87 03 - GPP
16	8.70	0.110	0.60	0.90	44	945	31	10 440	1 025.0	1982	88 12 - ABAND 83 06
24	5.62	0.120	0.34	0.88	49	888	34	10 730	1 037.3	1978	88 12 - GPP
32	2.81	0.140	0.28	0.88	49	881	34	10 494	1 021.2	1978	88 12 - GPP
32	5.00	0.123	0.63	0.90	43	910	32	10 707	1 017.5	1986	86 10
							38	11 070	1 017.1	1944	67 01 - ABAND 69 09
16	4.78	0.300	0.15	0.95	20	934	30	5 750	787.9	1977	83 12 - SUSP 80 05
1 048	4.14	0.300	0.20	0.97	12	965	27	5 900	779.5	1969	81 12 - GPP
1 233	12.71	0.300	0.25	0.97	11	979	24	5 450	744.3	1973	78 11 - GPP
112	4.40	0.300	0.30	0.97	16	921	26	5 790	779.7	1973	83 12
32	3.06	0.253	0.42	0.92	23	915	32	6 140	817.8	1977	85 12
16	6.55	0.300	0.18	0.97	14	972	27	6 170	822.7	1978	78 12 - SUSP 78 10
16	2.47	0.210	0.45	0.97	9	952	34	8 400	1 040.9	1977	78 10 - SUSP 83 12
16	2.10	0.240	0.50	0.97	12	969	30	5 968	915.5	1977	80 11 - SUSP 80 03
16	2.30	0.350	0.40	0.97	13	960	30	6 140	801.3	1979	80 12 - SUSP 82 05
16	1.60	0.270	0.50	0.97	12	980	27	7 179	788.2	1980	81 04 - ABAND 81 09

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
PROVOST 036-07W4 (CONTINUED)								
UPPER MANNVILLE BB	7 880.0	0.10		788.0		788.0	340.0	448.0
UPPER MANNVILLE CC	70.2	<0.01		0.1		0.1		0.1
UPPER MANNVILLE DD	113.0	0.05		5.7		5.7	2.5	3.2
UPPER MANNVILLE JJ	183.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE KK	112.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE LL	44.7	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE VV	33.6	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE WW	30.4	0.05		1.5		1.5	1.1	0.4
UPPER MANNVILLE XX	53.9	0.10		5.4		5.4	3.0	2.4
UPPER MANNVILLE YY	164.0	0.10		16.4		16.4	12.5	3.9
UPPER MANNVILLE FFF	130.0	<0.01		1.1		1.1	1.1	
UPPER MANNVILLE III	213.0	0.05		10.7		10.7	2.6	8.1
UPPER MANNVILLE KKK	226.0	0.02		4.5		4.5	2.1	2.4
UPPER MANNVILLE LLL	181.0	0.05		9.1		9.1	1.1	8.0
UPPER MANNVILLE MMM	171.0	0.10		17.1		17.1	2.9	14.2
UPPER MANNVILLE NNN	47.8	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE OOO	511.0	0.05		25.6		25.6	6.0	19.6
UPPER MANNVILLE PPP	1 330.0	0.07		93.1		93.1	52.0	41.1
UPPER MANNVILLE QQQ	292.0	0.05		14.6		14.6	1.8	12.8
UPPER MANNVILLE RRR	690.0	0.05		34.5		34.5	5.7	28.8
UPPER MANNVILLE SSS	371.0	0.10		37.1		37.1	4.3	32.8
UPPER MANNVILLE TTT	171.0	0.10		17.1		17.1	2.5	14.6
UPPER MANNVILLE UUU	129.0	0.10		12.9		12.9	1.6	11.3
UPPER MANNVILLE YYY	48.8	<0.01		0.1		0.1		0.1
UPPER MANNVILLE S2S	116.0	<0.02		1.6		1.6	1.6	
UPPER MANNVILLE T2T	125.0	0.05		6.3		6.3	5.1	1.2
UPPER MANNVILLE U2U	676.0	0.10		67.6		67.6	4.9	62.7
UPPER MANNVILLE V2V	39.3	<0.04		1.4		1.4	1.4	
UPPER MANNVILLE W2W	61.6	0.06		3.7		3.7	3.1	0.6
UPPER MANNVILLE X2X	43.7	<0.02		0.8		0.8	0.8	
UPPER MANNVILLE A3A	135.0	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE B3B	245.0	0.02		4.9		4.9	1.6	3.3
UPPER MANNVILLE C3C	133.0	<0.01		0.1		0.1		0.1
UPPER MANNVILLE W3W	381.0	0.05		19.1		19.1	1.7	17.4
UPPER MANNVILLE X3X	163.0	0.05		8.2		8.2	0.9	7.3
COLONY A	81.9	<0.01		0.5		0.5	0.5	
COLONY B	309.0	<0.01		0.1		0.1	0.1	
COLONY C	69.7	0.05		3.5		3.5	1.8	1.7
COLONY D	24.3	0.05		1.2		1.2	0.2	1.0
SPARKY A	103.0	0.05		5.2		5.2	1.6	3.6
GENERAL PETROLEUM A	31.1	0.05		1.6		1.6		1.6
REX A	410.0	0.05		20.5		20.5	1.2	19.3
CUMMINGS C	243.0	<0.01		0.1		0.1	0.1	
CUMMINGS D	14.3	<0.01		0.1		0.1	0.1	
CUMMINGS H	15.5	0.05		0.8		0.8	0.3	0.5
CUMMINGS J	80.0	0.08		6.4		6.4	3.3	3.1
CUMMINGS L	140.0	0.01		1.4		1.4	1.4	
CUMMINGS M	211.0	0.10		21.1		21.1	10.3	10.8
CUMMINGS N	127.0	<0.04		4.1		4.1	4.1	
CUMMINGS O	60.1	0.10		6.0		6.0	2.7	3.3
CUMMINGS P	50.2	0.10		5.0		5.0	1.9	3.1
CUMMINGS S	193.0	0.05		9.6		9.6	4.5	5.1
CUMMINGS AA	178.0	0.10		17.8		17.8	1.6	16.2
LOWER MANNVILLE C	169.0	0.10		16.9		16.9	9.2	7.7
LOWER MANNVILLE E	34.1	0.10		3.4		3.4	1.6	1.8
LOWER MANNVILLE H	96.0	<0.01		0.9		0.9	0.9	
LOWER MANNVILLE J	90.9	<0.01		0.7		0.7	0.7	
LOWER MANNVILLE Z	2 046.0	0.10		205.0		205.0	103.0	102.0
LOWER MANNVILLE MM	52.1	<0.05		2.4		2.4	2.4	
DINA A	2 822.0	0.20		564.0		564.0	276.5	287.5
DINA C	8 456.0	0.05		423.0		423.0	158.8	264.2
DINA E	748.0	0.05		37.4		37.4	3.3	34.1
DINA F	37.3	<0.01		0.3		0.3	0.3	
DINA G	286.0	0.10		28.6		28.6	2.4	26.2
DINA H	123.0	<0.01		0.3		0.3	0.3	
DINA I	145.0	<0.01		0.1		0.1	0.1	
DINA J	123.0	<0.01		0.9		0.9	0.9	
DINA K	264.0	0.05		13.2		13.2	2.3	10.9
DINA L	1 780.0	0.25		445.0		445.0	78.0	367.0
DINA M	222.0	<0.01		0.2		0.2	0.2	
DINA N	7 693.0	0.10		769.0		769.0	327.4	441.6

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
448	8.63	0.280	0.25	0.97	10	980	26	5 385	753.1	1977	87 12 - GPP
16	2.60	0.290	0.40	0.97	12	990	27	6 131	782.7	1980	81 07 - ABAND 86 01
16	3.70	0.290	0.32	0.97	12	990	27	6 141	788.4	1980	81 07 - GPP
16	6.00	0.280	0.30	0.97	12	980	23	5 367	740.5	1981	81 10 - SUSP 81 08
16	3.20	0.300	0.25	0.97	14	980	29	5 900	820.4	1981	83 12 - ABAND 83 11
16	2.00	0.240	0.40	0.97	17	960	26	6 180	933.8	1981	81 10 - SUSP 82 01
16	1.70	0.250	0.49	0.97	10	988	29	5 681	772.7	1982	82 09 - SUSP 84 10
16	1.00	0.280	0.30	0.97	11	940	30	5 369	708.4	1979	82 06
32	1.00	0.270	0.35	0.96	16	934	30	5 068	768.5	1981	83 12
80	1.71	0.230	0.45	0.95	17	945	18	5 635	777.0	1978	88 07 - GPP
16	4.30	0.260	0.25	0.97	9	957	34	2 707	915.5	1983	84 02 - SUSP 85 10
64	2.87	0.230	0.48	0.97	11	922	28	5 800	878.9	1983	85 01
64	2.50	0.270	0.45	0.95	11	889	31	6 011	789.8	1984	88 12
32	4.50	0.240	0.46	0.97	11	904	32	6 623	931.8	1984	85 01 - GP
32	3.20	0.290	0.40	0.96	15	911	27	6 880	873.4	1984	85 03
16	2.00	0.280	0.45	0.97		950	32	6 205	759.5	1981	87 12 - SUSP 83 09
192	2.74	0.200	0.46	0.90	32	892	33	6 634	970.2	1984	88 10
76	7.30	0.290	0.15	0.97	25	985	30	5 258	742.6	1984	87 12 - GPP
32	8.00	0.235	0.50	0.97	11	910	32	5 707	833.6	1984	85 04 - GPP
64	6.51	0.280	0.39	0.97	12	994	27	5 360	780.3	1983	86 07 - GPP
12	12.39	0.310	0.17	0.97	10	980	30	5 237	1 594.4	1984	88 11 - GPP
32	2.00	0.810	0.63	0.89	45	898	34	5 844	799.5	1984	85 08
32	5.20	0.190	0.54	0.89	45	898	35	5 978	802.3	1984	85 08
16	3.00	0.230	0.54	0.96	15	910	30	5 385	778.3	1984	85 10 - ABAND 85 10
16	4.60	0.270	0.40	0.97	15	979	26	5 500	739.3	1981	88 12 - SUSP 86 04
16	3.60	0.290	0.23	0.97	15	990	26	5 476	766.8	1980	86 12
192	2.25	0.250	0.32	0.92	32	871	32	6 175	946.7	1985	87 10
16	1.50	0.260	0.35	0.97	15	980	29	5 780	817.0	1981	88 12 - SUSP 86 04
16	2.10	0.270	0.30	0.97	12	965	28	5 642	844.8	1977	82 12 - SUSP 87 05
16	1.80	0.230	0.32	0.97	13	959	28	5 750	885.7	1977	77 06 - ABAND 87 03
64	1.80	0.200	0.35	0.90	40	860	32	5 788	877.6	1984	85 10 - ABAND 88 06
32	5.50	0.290	0.49	0.94	24	908	24	4 600	754.8	1985	86 04
64	2.00	0.250	0.55	0.92	31	820	26	5 656	798.0	1985	86 06 - ABAND 86 11
32	6.40	0.280	0.30	0.95	11	905	28	5 375	701.0	1984	88 05
16	5.00	0.260	0.19	0.97	13	985	31	5 224	694.4	1987	88 06
16	4.00	0.240	0.45	0.97	12	930	27	4 790	691.5	1982	88 12 - SUSP 86 04
16	8.00	0.300	0.17	0.97	12	976	28	5 344	699.0	1983	85 12 - ABAND 86 10
16	3.00	0.290	0.45	0.91	23	932	28	4 890	719.9	1985	85 12
16	1.30	0.250	0.48	0.90	20	960	29	5 192	698.7	1987	88 03
16	5.00	0.240	0.44	0.96	15	920	27	4 827	727.9	1986	87 08
16	1.40	0.260	0.45	0.97	11	944	28	7 223	772.7	1983	88 01
64	5.00	0.214	0.35	0.92	40	887	35	5 885	811.0	1987	88 01
16	7.00	0.280	0.20	0.97	11	988	26	3 500	840.5	1982	85 12 - SUSP 84 10
16	0.70	0.240	0.45	0.97	11	931	26	5 895	828.1	1983	84 01 - SUSP 84 08
16	1.00	0.200	0.50	0.97	10	988	31	5 026	792.0	1983	83 09 - SUSP 87 12
32	1.71	0.260	0.42	0.97	12	924	27	5 033	775.2	1984	88 12
16	4.00	0.300	0.25	0.97	13	999	27	6 117	827.0	1983	88 12 - SUSP 85 11
64	1.60	0.280	0.20	0.92	28	918	24	4 818	790.4	1984	87 12
32	2.00	0.300	0.32	0.97	15	920	32	5 627	796.3	1985	86 04 - ABAND 87 04
27	1.53	0.250	0.40	0.97	11	902	27	5 069	800.3	1984	88 12
23	1.50	0.250	0.40	0.97	11	902	28	5 075	764.2	1984	88 12
32	3.15	0.270	0.27	0.97	9	953	29	5 812	814.5	1986	88 10
32	3.00	0.250	0.22	0.95	11	905	28	7 412	945.2	1987	88 08
64	2.30	0.230	0.48	0.96	18	865	32	7 000	1 028.1	1978	79 01
16	1.80	0.210	0.40	0.94	27	917	32	5 840	909.8	1976	79 05
16	3.40	0.280	0.35	0.97	10	980	27	6 099	795.3	1980	84 12 - ABAND 86 01
16	3.50	0.270	0.38	0.97	12	970	29	6 047	789.8	1980	81 01 - ABAND 82 06
128	7.05	0.280	0.12	0.92	34	900	34	5 920	910.0	1983	87 11 - GPP
16	2.80	0.240	0.50	0.97	12	963	24	6 005	915.3	1980	88 12 - SUSP 86 04
400	4.00	0.280	0.30	0.90	38	894	31	5 430	792.3	1982	87 12 - GPP
735	5.80	0.280	0.23	0.92	36	918	28	5 463	820.8	1983	87 01
64	6.99	0.250	0.31	0.97	11	960	30	5 733	850.8	1981	84 09
16	1.80	0.240	0.40	0.90	41	939	30	5 927	817.9	1983	88 12 - ABAND 85 02
32	4.28	0.290	0.20	0.90	28	922	31	5 733	918.1	1984	86 05
32	4.00	0.200	0.50	0.96	25	904	28	5 607	777.2	1984	85 03 - SUSP 85 12
16	3.90	0.300	0.20	0.97	20	976	30	6 222	867.1	1984	88 12 - SUSP 86 04
16	4.10	0.280	0.30	0.96	23	925	29	5 489	795.8	1984	84 01 - ABAND 87 06
32	4.05	0.280	0.25	0.97	15	945	30	5 504	808.7	1984	87 01
150	5.53	0.280	0.21	0.97	7	914	27	5 582	838.2	1984	88 12 - GPP
32	3.50	0.280	0.27	0.97	11	904	30	5 514	814.1	1984	85 08 - SUSP 85 10
494	6.67	0.290	0.17	0.97	10	934	31	5 930	836.6	1957	88 10 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10³m³	frac	frac	10³m³	10³m³	10³m³	10³m³	10³m³
PROVOST 036-07W4 (CONTINUED)								
DINA O	3 475.0	0.04		139.0		139.0	67.0	72.0
DINA P	131.0	<0.01		0.3		0.3	0.3	
DINA Q	262.0	0.05		13.1		13.1	2.4	10.7
DINA R	659.0	0.03		19.8		19.8	10.7	9.1
DINA S	2 609.0	0.20		522.0		522.0	270.6	251.4
DINA T	150.0	0.10		15.0		15.0	5.4	9.6
DINA U	181.0	0.15		27.2		27.2	4.8	22.4
DINA V	197.0	0.10		19.7		19.7	0.4	19.3
DINA W	1 000.0	0.30		300.0		300.0	58.9	241.1
DINA X	1 029.0	0.10		103.0		103.0	7.7	95.3
DINA Y	629.0	0.10		62.9		62.9	8.4	54.5
DINA Z	194.0	0.05		9.7		9.7	0.2	9.5
DINA AA	179.0	0.05		9.0		9.0	2.3	6.7
DINA BB	105.0	0.05		5.3		5.3	0.7	4.6
DINA CC	175.0	0.10		17.5		17.5	11.4	6.1
DINA DD	121.0	0.10		12.1		12.1	5.4	6.7
DINA EE	133.0	0.05		6.7		6.7	0.4	6.3
DINA FF	515.0	0.05		25.8		25.8	3.6	22.2
DINA LL	87.4	0.05		4.4		4.4	3.1	1.3
DINA SS	1 317.0	0.05		65.9		65.9		65.9
DINA UU	18.1	0.10		1.8		1.8	0.7	1.1
BASAL QUARTZ C	7 085.0	0.12		850.0		850.0	347.2	502.8
ELLERSLIE A	34.4	<0.03		1.1		1.1	1.1	
ELLERSLIE F	247.0	0.10		24.7		24.7	3.2	21.5
RAINIER 017-15W4								
GLAUCONITIC A	400.0	0.10		40.0		40.0	27.6	12.4
GLAUCONITIC E TOTAL	840.0			84.0	81.0	165.0	84.2	80.8
PRIMARY AREA	300.0	0.10		30.0		30.0		
WATER FLOOD AREA	540.0	0.10	0.15	54.0	81.0	135.0		
BASAL QUARTZ A	38.3	<0.01		0.2		0.2	0.2	
REAGAN 001-19W4								
RUNDLE A	460.0	0.18		82.8		82.8	74.4	8.4
RED COULEE 001-17W4								
CUT BANK B	1 010.0	0.05		50.5		50.5	42.6	7.9
CUT BANK C	158.0	0.03		4.7		4.7	1.9	2.8
RUNDLE A	71.5	0.15		10.8		10.8	10.4	0.4
RUNDLE B	36.5	0.02		0.7		0.7	0.7	
RETLAW 012-18W4								
MANNVILLE I	1 270.0	0.12		152.0		152.0	123.8	28.2
MANNVILLE O	124.0	<0.02		1.7		1.7	1.7	
MANNVILLE Q	183.0	<0.01		0.1		0.1	0.1	
MANNVILLE R	238.0	0.05		11.9		11.9	7.5	4.4
MANNVILLE V	2 210.0	0.10		221.0		221.0	57.9	163.1
MANNVILLE W	371.0	0.04		14.8		14.8	8.5	6.3
MANNVILLE EE	320.0	0.06		19.2		19.2	10.4	8.8
MANNVILLE FF	178.0	<0.01		0.1		0.1		0.1
MANNVILLE GG	92.7	<0.01		0.1		0.1	0.1	
MANNVILLE MM	90.4	<0.01		0.4		0.4	0.4	
MANNVILLE PP	174.0	0.05		8.7		8.7	7.6	1.1
MANNVILLE UU	44.8	<0.01		0.1		0.1		0.1
MANNVILLE WW	244.0	<0.01		0.1		0.1		0.1
MANNVILLE AAA	195.0	<0.01		1.2		1.2	1.2	
MANNVILLE BBB	1 300.0	0.05		65.0		65.0	21.7	43.3
MANNVILLE FFF	413.0	0.10		41.3		41.3	9.3	32.0
MANNVILLE JJJ	54.1	<0.03		1.5		1.5	1.5	
MANNVILLE KKK	105.0	0.10		10.5		10.5	1.7	8.8
MANNVILLE OOO	97.3	0.10		9.7		9.7	7.6	2.1
MANNVILLE TTT	21.3	0.05		1.1		1.1	1.1	
MANNVILLE B2B	44.1	<0.01		0.1		0.1	0.1	
MANNVILLE F2F	76.0	<0.01		0.4		0.4	0.4	
MANNVILLE G2G	405.0	0.10		40.5		40.5	2.7	37.8
MANNVILLE N2N	57.4	<0.01		0.1		0.1	0.1	
MANNVILLE O2O	201.0	0.08		16.1		16.1	1.0	15.1
RIBSTONE 043-04W4								
SPARKY A	2 200.0	0.05		110.0		110.0	63.5	46.5
GENERAL PETROLEUM A	71.5	0.07		5.0		5.0	2.8	2.2

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
269	5.67	0.290	0.19	0.97	10	928	30	5 910	834.0	1957	87 12 - GPP
16	3.50	0.290	0.17	0.97	11	946	29	5 503	823.3	1984	88 12 - SUSP 86 01
32	5.03	0.230	0.27	0.97	10	960	30	6 037	819.2	1984	86 08
48	6.03	0.290	0.19	0.97	15	920	27	5 377	790.2	1983	86 06
262	4.94	0.280	0.25	0.96	13	874	32	6 466	902.3	1985	88 12 - GPP
32	2.81	0.260	0.34	0.97	15	915	30	6 292	962.4	1985	88 12 - GPP
32	2.69	0.280	0.21	0.95	12	950	30	5 992	829.8	1986	88 12
64	2.80	0.230	0.47	0.90	40	930	33	6 585	953.4	1987	87 09 - SUSP 87 11
200	2.64	0.280	0.30	0.97	32	893	34	5 734	835.1	1987	88 12 - GPP
64	10.40	0.240	0.30	0.92	33	887	34	6 635	960.9	1987	88 01
97	3.05	0.270	0.18	0.96	14	876	34	5 964	976.5	1987	88 11 - GPP
64	3.30	0.200	0.49	0.90	41	876	34	6 215	986.4	1987	88 01
16	7.30	0.220	0.28	0.97	7	956	27	6 565	815.2	1984	88 01
32	2.40	0.220	0.34	0.94	22	905	27	5 515	830.4	1987	8802
36	2.56	0.250	0.20	0.95	18	889	34	6 191	914.4	1987	88 12 - GPP
50	1.68	0.200	0.25	0.96	39	883	30	6 296	1 003.7	1987	88 12 - GPP
16	5.30	0.225	0.28	0.97	7	915	27	5 457	789.6	1987	88 06
128	3.20	0.220	0.37	0.90	33	892	34	6 884	1 004.5	1987	88 06
16	3.30	0.230	0.25	0.96	16	931	30	5 456	828.7	1985	86 10
96	7.75	0.250	0.27	0.97	7	915	27		928.6	1988	88 11 - GPP
4	3.20	0.250	0.41	0.96	14	876	33	6 423	995.1	1988	88 11
400	3.55	0.290	0.24	0.94	25	921	33	5 827	892.6	1977	88 12 - GPP
32	1.50	0.130	0.40	0.92	34	917	35	5 722	914.1	1981	85 12 - ABAND 84 08
32	4.30	0.260	0.25	0.92	40	900	32	7 349	1 054.4	1987	87 10
49	4.35	0.260	0.18	0.88	41	888	28	11 076	1 032.0	1981	87 12
186					60	867	31	10 980	1 028.2	1981	86 12
122	1.40	0.250	0.20	0.88							
64	4.80	0.250	0.20	0.88							
32	1.40	0.160	0.40	0.89	40	905	21	11 128	1 066.3	1980	84 12 - ABAND 86 10
274	2.78	0.110	0.27	0.75	127	844	29	7 580	1 094.2	1958	81 12 - GPP
229	4.18	0.180	0.37	0.93	32	904	27	6 030	838.2	1960	85 12 - GPP
32	5.91	0.180	0.42	0.80	32	904	30	6 000	896.0	1966	86 02
21	5.61	0.110	0.25	0.75	32	910	28	6 270	948.2	1961	75 12 - GPP
16	3.66	0.110	0.25	0.75	32	904	28	6 210	879.7	1967	77 04 - SUSP 68 12
454	2.13	0.218	0.30	0.86	64	921	39	11 580	1 086.1	1964	88 12 - GPP
65	1.77	0.172	0.27	0.86	45	946	37	11 810	1 106.7	1971	72 02 - ABAND 72 10
65	2.74	0.190	0.37	0.86	66	921	41	11 893	1 065.6	1971	74 04 - ABAND 74 03
96	2.25	0.197	0.35	0.86	14	921	38	11 550	1 091.1	1974	79 12
1 056	1.53	0.200	0.23	0.89	57	946	32	11 720	1 069.5	1976	85 09
96	3.53	0.185	0.32	0.87	57	921	32	12 030	1 134.9	1976	87 03 - GPP
192	1.99	0.150	0.35	0.86	62	910	34	11 690	1 089.0	1978	88 12 - GPP
65	3.05	0.160	0.35	0.87	59	910	35	11 690	1 121.0	1978	78 12 - ABAND 82 07
16	5.50	0.180	0.35	0.90	44	965	35	11 860	1 109.0	1978	82 12 - SUSP 79 10
32	1.80	0.220	0.18	0.87	50	922	37	11 880	1 093.0	1979	85 12 - SUSP 84 02
32	4.80	0.200	0.35	0.87	89	916	37	11 542	1 072.5	1979	85 12
16	2.78	0.180	0.35	0.86	66	959	35	10 337	1 104.1	1980	83 12 - SUSP 81 06
32	5.50	0.230	0.30	0.8[illegible]	60	921	38	11 785	1 108.4	1977	85 12 - SUSP 81 03
16	17.97	0.150	0.48	0.87	54	917	32	11 146	1 075.7	1980	83 12 - SUSP 83 11
423	2.93	0.180	0.33	0.87	60	915	37	11 808	1 053.3	1981	84 10 - GPP
64	8.13	0.142	0.35	0.86	60	891	35	11 310	1 075.9	1981	82 05
32	1.30	0.240	0.37	0.86	60	930	32	11 703	1 101.4	1981	84 12 - SUSP 82 08
32	3.70	0.188	0.45	0.86	68	921	33	11 555	1 102.3	1981	84 12
32	3.40	0.160	0.35	0.86	62	925	32	11 394	1 110.5	1978	83 12
16	1.14	0.180	0.27	0.89	56	911	36	11 880	1 097.7	1982	88 12 - ABAND 83 10
32	1.50	0.180	0.40	0.85	64	920	33	11 635	1 094.7	1960	88 12 - SUSP 86 03
16	4.00	0.200	0.34	0.90	44	994	33	12 859	1 161.0	1984	85 06 - ABAND 87 08
32	6.50	0.270	0.19	0.89	57	910	36	11 281	1 091.8	1985	85 07
32	3.00	0.160	0.56	0.85	65	925	30	11 662	1 138.6	1987	88 01 - ABAND 88 01
16	27.00	0.110	0.53	0.90	62	950	92	11 061	1 067.0	1980	80 11
96	14.10	0.260	0.35	0.96	80	915	29	4 500	689.5	1971	80 12
32	1.21	0.280	0.32	0.97	11	952	30	4 780	652.6	1985	87 12

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
RIBSTONE 043-04W4 (CONTINUED)								
LLOYDMINSTER A	373.0	0.02		7.5		7.5	1.8	5.7
LLOYDMINSTER B	163.0	0.01		1.6		1.6	1.6	
LLOYDMINSTER C	41.9	<0.01		0.1		0.1		0.1
LLOYDMINSTER D	28.2	0.05		1.4		1.4	0.8	0.6
NISKU B	506.0	0.05		25.3		25.3	10.2	15.1
NISKU C	125.0	<0.02		1.5		1.5	1.5	
NISKU D	222.0	0.05		11.1		11.1	1.8	9.3
NISKU E	267.0	0.05		13.3		13.3	0.9	12.4
NISKU A & CAMROSE A	1 031.0	0.10		103.0		103.0	42.4	60.6
RICHDALE 030-13W4								
LOWER MANNVILLE G	80.0	0.15		12.0		12.0	7.7	4.3
RIVERCOURSE 047-01W4								
COLONY A	245.0	<0.03		6.2		6.2	6.2	
COLONY B	265.0	<0.06		2.9		2.9	2.9	
COLONY G	98.2	0.05		4.9		4.9	2.4	2.5
SPARKY A	307.0	0.10		30.7		30.7	25.7	5.0
SPARKY B	283.0	0.03		8.5		8.5	5.5	3.0
SPARKY C	263.0	0.01		2.6		2.6	1.8	0.8
SPARKY D	186.0	<0.02		3.2		3.2	3.2	
SPARKY E	65.2	0.05		3.3		3.3	1.3	2.0
CUMMINGS A	3 180.0	0.03		95.4		95.4	67.1	28.3
RC' ALANE 013-12W4								
LOWER MANNVILLE A	149.0	<0.01		1.2		1.2	1.2	
LOWER MANNVILLE E	314.0	0.03		9.4		9.4	5.0	4.4
LOWER MANNVILLE F	163.0	0.10		16.3		16.3	5.6	10.7
SAWTOOTH A	196.0	0.10		19.6		19.6	5.7	13.9
SAWTOOTH B	1 520.0	0.15		228.0		228.0	174.3	53.7
SAWTOOTH C	1 225.0	0.15		184.0		184.0	82.0	102.0
SAWTOOTH E	33.7	0.20		6.7		6.7	2.0	4.7
SAWTOOTH G	172.0	0.15		25.8		25.8	8.4	17.4
SAWTOOTH H	258.0	0.05		12.9		12.9	4.1	8.8
SAWTOOTH I	1 113.0	0.10		111.0		111.0	32.0	79.0
SAWTOOTH J	1 057.0	0.20		212.0		212.0	16.7	195.3
SAWTOOTH K	820.0	0.20		164.0		164.0	64.6	99.4
SAWTOOTH L	750.0	0.15		113.0		113.0	8.1	104.9
SAWTOOTH N	491.0	0.15		73.7		73.7	2.2	71.5
RUMSEY 033-21W4								
GLAUCONITIC F	204.0	<0.01		0.4		0.4	0.4	
GLAUCONITIC H	61.4	0.15		9.2		9.2	3.8	5.4
LOWER MANNVILLE E	156.0	0.10		15.6		15.6	0.2	15.4
LOWER MANNVILLE F	417.0	0.15		62.5		62.5	6.9	55.6
SEDGEWICK 042-12W4								
BASAL MANNVILLE C	117.0	0.10		11.7		11.7	3.0	8.7
SIBBALD 027-02W4								
UPPER MANNVILLE C TOTAL	4 360.0			262.0	383.0	645.0	508.5	136.5
PRIMARY AREA	99.2	0.06		6.0		6.0		
WATER FLOOD AREA	4 260.0	0.06	0.09	256.0	383.0	639.0		
UPPER MANNVILLE D	40.1	<0.01		0.1		0.1		0.1
LOWER MANNVILLE B	138.0	<0.01		0.1		0.1		0.1
SKIFF 005-14W4								
SAWTOOTH A	1 430.0	0.15		215.0		215.0	97.0	118.0
SAWTOOTH B	133.0	0.10		13.3		13.3	6.3	7.0
SAWTOOTH C	12.1	<0.08		0.9		0.9	0.9	
ST. ANNE 054-05W5								
NORDEGG A	84.9	0.10		8.5		8.5	1.6	6.9
BANFF A	488.0	0.05		24.4		24.4	11.0	13.4
BANFF B	193.0	0.05		9.6		9.6	1.6	8.0
BANFF F	89.5	0.15		13.4		13.4	2.8	10.6
BANFF G	18.5	0.20		3.7		3.7	3.3	0.4
BANFF H	319.0	<0.01		0.2		0.2	0.2	
BANFF I	146.0	0.10		14.6		14.6	1.1	13.5
BANFF J	140.0	0.15		21.0		21.0	4.0	17.0

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
65	3.05	0.280	0.30	0.96	40		29	4 860	661.4	1972	77 12
32	2.40	0.300	0.27	0.97	14	939	26	3 046	642.5	1975	88 12 - SUSP 86 04
16	1.80	0.300	0.50	0.97	12	959	42	4 662	666.9	1986	87 01 - SUSP 86 11
16	0.90	0.300	0.32	0.96	16	984	27	5 110	689.9	1976	82 11
48	9.84	0.180	0.38	0.96	16	955	27	4 415	727.2	1985	86 01
16	8.00	0.175	0.42	0.96	16	955	27	4 280	657.0	1985	86 01 - ABAND 87 10
16	11.00	0.175	0.25	0.96	16	955	27	4 025	667.3	1985	86 01
48	5.29	0.148	0.26	0.96	16	953	26	5 195	724.3	1973	88 07
144	8.07	0.150	0.39	0.97	16	959	29	4 453	660.6	1985	88 12
64	1.53	0.170	0.46	0.89	44	916	38	9 500	1 104.3	1978	85 12 - GPP
49	1.92	0.300	0.10	0.97	9	946	24	2 648	527.9	1965	75 07 - SUSP 71 04
16	6.15	0.340	0.20	0.99	9	972	26	3 500	521.9	1977	82 12 - SUSP 83 07
16	2.50	0.310	0.20	0.99	9	971	25	3 500	532.3	1981	82 06
48	2.56	0.300	0.16	0.99	5	965	23	3 450	570.6	1974	84 12 - GPP
32	3.70	0.290	0.17	0.99	9	999	23	4 100	591.0	1978	88 12 - GPP
32	3.45	0.290	0.17	0.99	9	980	23	4 090	589.6	1978	80 10 - SUSP 86 10
16	4.60	0.300	0.15	0.99	9	970	23	4 097	590.3	1978	82 06 - SUSP 85 05
16	2.00	0.300	0.30	0.97	12	950	23	4 118	606.2	1978	86 11
224	6.25	0.290	0.20	0.98	9	989	22	3 040	641.3	1978	85 12 - GPP
32	3.05	0.270	0.35	0.86	66	887	33	10 980	952.5	1972	83 12 - SUSP 78 11
32	9.40	0.200	0.42	0.90	42	925	31	10 276	920.2	1984	87 12 - GPP
16	6.80	0.280	0.42	0.92	34	921	32	9 997	952.3	1986	87 02
16	8.40	0.250	0.40	0.97	10	950	33	10 371	957.7	1985	85 10
225	4.94	0.240	0.40	0.95	29	900	32	10 529	948.3	1985	88 11 - GPP
208	4.92	0.240	0.42	0.86	67	881	27	10 760	922.0	1975	87 02 - GPP
16	1.80	0.260	0.50	0.90	19	905	33	10 379	949.4	1986	88 12
16	8.20	0.230	0.40	0.95	17	908	33	10 676	945.3	1986	86 08
16	12.50	0.205	0.33	0.94	15	905	34	11 085	957.6	1985	86 10 - SUSP 86 10
96	7.82	0.240	0.35	0.95	15	940	34	10 583	953.8	1985	88 08 - GPP
80	9.38	0.260	0.43	0.95	18	919	33	9 962	940.1	1986	87 08 - GPP
233	3.38	0.220	0.45	0.86	40	870	32	6 500	938.8	1967	88 12
64	6.50	0.280	0.30	0.92	30	884	33	10 625	905.8	1986	87 08
64	7.30	0.260	0.53	0.86	60	881	31	10 239	913.0	1987	87 09
64	4.40	0.170	0.50	0.85	50	900	44	10 034	1 403.8	1984	85 11 - ABAND 86 09
64	1.30	0.140	0.38	0.85	57	845	40	8 487	1 454.8	1986	87 11
64	4.00	0.130	0.43	0.82	66	882	53	8 660	1 450.0	1987	88 01 - SUSP 87 10
128	3.06	0.190	0.37	0.89	52	882	46	8 942	1 437.8	1987	88 01
32	2.00	0.280	0.30	0.93	28	920	30	4 047	916.0	1984	84 11 - GPP
757					21	963	28	9 140	885.7	1977	88 06
48	1.90	0.230	0.50	0.95							
709	3.24	0.280	0.30	0.95							
16	2.00	0.240	0.45	0.95	22	962	28	9 253	868.0	1980	88 12 - SUSP 80 05
16	5.00	0.330	0.45	0.95	66	866	64	8 980	862.5	1980	80 09 - SUSP 80 08
716	1.74	0.180	0.25	0.85	30	941	33	9 190	922.1	1964	88 12
64	1.84	0.170	0.26	0.90	30	940	31	9 368	916.5	1983	86 05
16	1.00	0.120	0.30	0.90	22	964	31	9 320	919.0	1981	86 12 - ABAND 88 08
16	7.30	0.130	0.35	0.86	60	945	45	12 238	1 416.2	1984	86 07
32	9.80	0.190	0.09	0.90	54	919	43	13 332	1 456.6	1978	83 11 - GPP
32	7.56	0.160	0.44	0.89	45	947	43	13 400	1 454.6	1981	85 12
16	4.00	0.210	0.26	0.90	60	932	38	9 932	1 438.2	1985	85 06 - GPP
32	1.50	0.060	0.30	0.92	45	940	44	13 418	1 466.0	1984	87 12 - GPP
32	9.89	0.178	0.37	0.90	50	904	45	13 241	1 463.5	1984	85 07 - ABAND 87 03
32	5.30	0.150	0.35	0.88	50	920	45	13 144	1 452.0	1985	85 10
16	8.40	0.200	0.40	0.87	50	904	45	13 043	1 447.7	1985	86 04 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
ST. ANNE 054-05W5 (CONTINUED)								
BANFF C & D	1 672.0	0.10		167.0		167.0	107.5	59.5
STANMORE 029-11W4								
UPPER MANNVILLE AA	398.0	0.10		39.8		39.8	16.0	23.8
STROME 043-16W4								
ELLERSLIE A	37.3	0.06		2.2		2.2	2.2	
ELLERSLIE C	109.0	<0.01		0.1		0.1		0.1
SUFFIELD 018-06W4								
UPPER MANNVILLE A	20 800.0	0.01		208.0		208.0	68.0	140.0
UPPER MANNVILLE D	882.0	0.02		17.6		17.6	5.0	12.6
UPPER MANNVILLE F	346.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE H	1 320.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE J	40 100.0	0.03		1 203.0		1 203.0	748.5	454.5
UPPER MANNVILLE N	487.0	0.05		24.4		24.4	11.3	13.1
UPPER MANNVILLE O	137.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE Q	169.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	115.0	0.05		5.8		5.8	0.8	5.0
UPPER MANNVILLE S	114.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE T	265.0	0.01		2.6		2.6	2.6	
UPPER MANNVILLE U	384.0	0.10		38.4		38.4	23.2	15.2
UPPER MANNVILLE V	229.0	<0.02		2.7		2.7	2.7	
UPPER MANNVILLE W	66.6	<0.01		0.2		0.2	0.2	
UPPER MANNVILLE X	59.2	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE Y	249.0	<0.01		0.8		0.8	0.8	
UPPER MANNVILLE Z	187.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE EE	71.0	<0.01		0.5		0.5	0.5	
UPPER MANNVILLE FF	1 573.0	0.03		47.2		47.2	2.0	45.2
UPPER MANNVILLE HH	122.0	0.05		6.1		6.1	2.7	3.4
LOWER MANNVILLE A	396.0	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE B	65.9	<0.01		0.4		0.4	0.4	
LOWER MANNVILLE C	93.1	0.07		6.5		6.5	4.7	1.8
LOWER MANNVILLE D	77.1	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE E	104.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE G	136.0	<0.01		0.1		0.1		0.1
LOWER MANNVILLE H	67.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE I	88.1	<0.01		0.1		0.1		0.1
LOWER MANNVILLE J	80.4	<0.02		1.2		1.2	1.2	
LOWER MANNVILLE K	128.0	<0.02		2.2		2.2	2.2	
LOWER MANNVILLE L	156.0	<0.02		1.7		1.7	1.7	
LOWER MANNVILLE M	100.0	0.05		5.0		5.0	3.2	1.8
LOWER MANNVILLE N	150.0	0.06		9.0		9.0	7.9	1.1
LOWER MANNVILLE P	1 660.0	0.10		166.0		166.0	104.1	61.9
SUNNYNOOK 026-11W4								
BASAL MANNVILLE F	120.0	<0.01		0.8		0.8	0.8	
SUPERBA 026-03W4								
DETRITAL A	213.0	<0.01		0.1		0.1	0.1	
SWIMMING 052-06W4								
UPPER MANNVILLE A	92.6	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE C	817.0	<0.03		0.9		0.9	0.9	
COLONY A	89.8	<0.02		1.3		1.3	1.3	
COLONY D	129.0	<0.04		0.2		0.2	0.2	
SPARKY A	98.8	<0.01		0.4		0.2	0.2	
SPARKY B	64.3	<0.01		0.1		0.4	0.4	
GENERAL PETROLEUM A	148.0	0.03		4.4		0.1	0.1	
GENERAL PETROLEUM B	208.0	0.05		10.4		4.4	1.0	3.4
						10.4	6.4	4.0
TABER 009-17W4								
MANNVILLE A	1 439.0	0.20		288.0		288.0	224.0	64.0
MANNVILLE C	572.0	0.05		28.6		28.6	25.8	2.8
MANNVILLE D TOTAL	11 300.0			810.0	1 730.0	2 540.0	1 933.4	606.6
PRIMARY AREA	1 702.0	0.10		170.0		170.0		
WATER FLOOD AREA	9 600.0	<0.07	0.18	640.0	1 730.0	2 370.0		
MANNVILLE E	25.3	<0.01		0.1		0.1	0.1	
MANNVILLE F	834.0	0.06		50.0		50.0	46.9	3.1
MANNVILLE G	529.0	0.01		5.3		5.3	4.4	0.9
MANNVILLE K	406.0	0.18		73.1		73.1	45.4	27.7

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
161	11.51	0.170	0.39	0.87	54	954	43	13 393	1 442.1	1981	88 05 - GPP
128	1.90	0.240	0.26	0.92	28	939	35	8 336	1 035.1	1973	82 11
16	1.50	0.210	0.22	0.95	20	936	30	7 434	1 040.8	1969	88 12 - SUSP 86 05
16	5.40	0.180	0.26	0.95	20	979	30	6 986	1 107.6	1986	87 11 - SUSP 87 09
1 684	7.32	0.250	0.25	0.90	35	986	36	11 020	939.4	1976	82 12
64	7.47	0.260	0.22	0.91	43	940	32	9 890	966.6	1977	88 12
16	11.89	0.250	0.20	0.91	35	937	28	11 120	938.2	1977	82 12 - SUSP 77 05
65	12.19	0.270	0.32	0.91	30	972	31	10 050	909.8	1977	78 03 - SUSP 78 01
2 190	10.60	0.250	0.24	0.91	27	979	28	10 410	923.6	1977	87 12 - GPP
32	8.04	0.260	0.20	0.91	30	971	32	10 000	956.8	1978	86 11 - SUSP 86 04
16	6.40	0.210	0.30	0.91	30	982	32	10 160	994.3	1978	88 12 - SUSP 86 03
16	6.50	0.270	0.34	0.91	43	983	30	10 400	926.8	1979	80 02 - ABAND 80 08
16	5.50	0.200	0.30	0.93	34	957	31	9 230	994.0	1980	86 07 - SUSP 86 03
16	5.20	0.250	0.40	0.91	42	982	32	10 432	894.0	1980	80 07 - SUSP 85 04
16	10.00	0.280	0.35	0.91	29	982	26	10 943	927.0	1980	86 12 - SUSP 84 07
32	7.03	0.250	0.25	0.91	37	951	21	10 569	959.3	1980	87 04
16	9.00	0.250	0.30	0.91	20	966	25	10 563	924.0	1980	88 12 - SUSP 86 03
16	2.60	0.220	0.20	0.91	44	951	30	10 233	960.3	1980	83 12 - SUSP 83 12
16	2.30	0.250	0.30	0.92	37	958	32	10 406	952.2	1980	83 12 - SUSP 80 09
32	7.30	0.180	0.35	0.91	37	925	29	10 188	962.2	1981	82 08 - SUSP 85 08
64	1.50	0.330	0.35	0.91	35	967	31	9 834	1 004.5	1976	88 12 - SUSP 83 09
16	4.00	0.200	0.41	0.94	37	959	35	10 721	986.2	1977	84 08 - ABAND 85 10
32	23.20	0.280	0.17	0.91	28	983	27	9 131	935.8	1986	87 08 - SUSP 87 04
16	4.00	0.260	0.23	0.95	28	967	24	9 623	962.0	1987	88 08
65	7.01	0.160	0.40	0.91	35	952	35	9 590	1 001.9	1976	76 11 - SUSP 77 06
16	2.13	0.280	0.25	0.91	34	952	33	10 180	982.0	1977	83 12 - ABAND 86 03
32	2.46	0.200	0.35	0.91	27	972	34	9 080	951.6	1977	84 12 - SUSP 86 10
16	3.35	0.240	0.35	0.91	32	965	32	10 780	981.5	1977	78 04 - ABAND 78 05
16	4.57	0.220	0.30	0.91	32	959	27	10 960	1 008.0	1977	83 12 - ABAND 82 01
16	7.32	0.210	0.40	0.91	47	999	25	10 110	904.0	1978	78 11 - SUSP 78 12
16	3.30	0.210	0.35	0.93	30	986	33	10 060	914.9	1978	79 05 - SUSP 78 12
16	6.10	0.190	0.50	0.95	9	995	32	10 520	892.5	1978	88 12 - SUSP 78 12
16	3.40	0.250	0.35	0.91	30	969	35	10 560	1 006.0	1978	79 04 - ABAND 80 04
16	5.70	0.220	0.30	0.91	45	943	45	10 600	967.0	1980	80 09 - SUSP 84 07
16	6.30	0.230	0.25	0.90	27	978	31	11 166	967.3	1979	81 03 - SUSP 80 10
32	2.08	0.330	0.50	0.91	34	951	36	10 565	997.7	1982	83 12
16	7.21	0.210	0.32	0.91	44	965	35	10 660	972.2	1978	84 08 - GPP
112	9.72	0.240	0.30	0.91	37	952	32	10 690	975.7	1976	85 12 - GPP
32	2.00	0.250	0.20	0.94	27	940	35	10 070	1 059.0	1978	83 12 - SUSP 79 08
16	8.50	0.300	0.45	0.95	18	958	34	9 135	930.2	1981	85 12 - SUSP 83 04
16	2.10	0.320	0.13	0.99	10	977	25	4 190	565.6	1978	83 12 - ABAND 83 05
16	19.10	0.300	0.10	0.99	10	985	25	4 937	509.7	1981	82 07
16	3.00	0.270	0.30	0.99	10	985	25	4 854	502.5	1980	88 12 - SUSP 86 09
16	3.20	0.300	0.15	0.99	10	999	28	5 009	518.6	1980	82 10 - ABAND 84 08
16	3.20	0.300	0.35	0.99	7	985	25	3 904	536.4	1979	88 12 - SUSP 86 09
16	2.00	0.290	0.30	0.99	7	994	25	4 011	547.5	1979	84 07 - ABAND 84 01
16	4.20	0.310	0.28	0.99	9	987	27	4 251	571.9	1983	84 07 - SUSP 87 11
16	6.00	0.300	0.27	0.99	9	976	27	4 285	575.5	1980	82 05
300	3.74	0.210	0.35	0.94	23	921	33	10 180	983.0	1944	88 12 - GPP
48	8.73	0.220	0.34	0.94	20	946	38	10 760	986.0	1962	87 12 - GPP
1 380					16	940	36	10 595	973.6	1942	88 12
240	5.92	0.190	0.35	0.97							
1 140	6.20	0.209	0.33	0.97							- GPP
16	1.83	0.150	0.40	0.95	28	940	16	10 470	964.7	1974	78 11 - SUSP 78 07
120	5.42	0.210	0.35	0.94	23	921	33	10 780	983.3	1944	85 09 - GPP
142	3.10	0.200	0.36	0.94	23	946	33	10 395	995.5	1944	83 12 - GPP
100	3.32	0.200	0.35	0.94	23	921	33	10 422	993.0	1944	84 12 - GPP

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
TABER 009-17W4 (CONTINUED)								
MANNVILLE L	11.8	<0.01		0.1		0.1		0.1
MANNVILLE M	129.0	<0.01		0.2		0.2	0.2	
MANNVILLE N	39.6	<0.01		0.2		0.2	0.2	
GLAUCONITIC A	84.2	<0.02		1.0		1.0	1.0	
TABER NORTH 011-16W4								
GLAUCONITIC A	8 000.0	0.35		2 800.0		2 800.0	1 052.8	1 747.2
GLAUCONITIC C TOTAL	2 654.0			317.0	90.0	406.0	225.4	180.6
PRIMARY	64.3	0.10		6.4		6.4		
WATER FLOOD AREA	2 590.0	<0.12	0.04	311.0	90.0	400.0		
GLAUCONITIC D	35.3	0.10		3.5		3.5	1.0	2.5
GLAUCONITIC E	1 940.0	0.20		388.0		388.0	140.8	247.2
GLAUCONITIC H	234.0	0.10		23.4		23.4	6.8	16.6
GLAUCONITIC J	54.3	0.10		5.4		5.4	3.3	2.1
TABER A	1 950.0	0.12		235.0		235.0	199.3	35.7
TABER B	556.0	0.10		55.6		55.6	42.8	12.8
TABER C	2 490.0	0.10		249.0		249.0	200.5	48.5
TABER D	2 000.0	0.15		300.0		300.0	224.0	76.0
TABER E	344.0	0.10		34.4		34.4	27.4	7.0
TABER I	115.0	0.15		17.3		17.3	11.5	5.8
TABER J	229.0	<0.01		0.2		0.2	0.2	
TABER K	1 242.0	0.20		248.0		248.0	154.1	93.9
TABER L	98.8	<0.01		0.7		0.7	0.7	
TABER M	158.0	<0.01		0.1		0.1	0.1	
TABER O	857.0	0.15		129.0		129.0	66.2	62.8
TABER S	46.6	<0.02		0.8		0.8	0.8	
TABER T	49.3	0.10		4.9		4.9		4.9
SAWTOOTH A	48.4	0.10		4.8		4.8	0.5	4.3
TABER SOUTH 007-16W4								
MANNVILLE A TOTAL	9 491.0			469.0	934.0	1 403.0	1 015.3	387.7
PRIMARY AREA	149.0	0.01		1.5		1.5		
WATER FLOOD AREA	9 342.0	0.05	0.10	467.0	934.0	1 401.0		
MANNVILLE B WATER FLOOD	7 196.0	0.07	0.23	504.0	1 655.0	2 159.0	1 980.8	178.2
MANNVILLE C	281.0	<0.01		0.6		0.6	0.6	
MANNVILLE D	389.0	0.05		19.5		19.5	9.9	9.6
MANNVILLE E	247.0	<0.02		3.0		3.0	3.0	
MANNVILLE F	840.0	0.04		33.6		33.6	21.5	12.1
MANNVILLE G	164.0	0.05		8.2		8.2	5.9	2.3
MANNVILLE H	66.0	<0.01		0.5		0.5	0.5	
MANNVILLE I	85.9	0.10		8.6		8.6	5.3	3.3
MANNVILLE J	106.0	<0.01		0.1		0.1		0.1
MANNVILLE K	118.0	0.05		5.9		5.9	0.8	5.1
GLAUCONITIC A	237.0	0.05		11.9		11.9	2.3	9.6
GLAUCONITIC B	51.6	0.05		2.6		2.6	1.0	1.6
GLAUCONITIC C	766.0	0.05		38.3		38.3	6.4	31.9
TURNER VALLEY A	505.0	0.05		25.3		25.3	4.0	21.3
TABER SOUTH-EAST 008-15W4								
MANNVILLE A	1 460.0	0.15		219.0		219.0	182.6	36.4
MANNVILLE C	173.0	0.10		17.3		17.3	16.2	1.1
MANNVILLE D	680.0	0.08		54.4		54.4	44.2	10.2
MANNVILLE E	184.0	0.10		18.4		18.4	12.6	5.8
MANNVILLE F	34.4	0.10		3.4		3.4	0.4	3.0
TURIN 010-18W4								
FISH SCALE B	99.0	0.03		3.0		3.0	1.3	1.7
UPPER MANNVILLE C	2 060.0	0.25		515.0		515.0	272.7	242.3
UPPER MANNVILLE J	832.0	0.10		83.2		83.2	46.0	37.2
LOWER MANNVILLE E	659.0	0.25		165.0		165.0	80.2	84.8
LOWER MANNVILLE L	1 670.0	0.15		250.0		250.0	202.9	47.1
LOWER MANNVILLE M	218.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE N	82.2	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE P	41.8	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE T	109.0	0.10		10.9		10.9	6.4	4.5
LOWER MANNVILLE X	113.0	0.15		17.0		17.0	7.4	9.6
LOWER MANNVILLE BB	96.8	<0.01		0.6		0.6	0.6	
LOWER MANNVILLE NN	276.0	0.10		27.6		27.6	5.5	22.1
LOWER MANNVILLE TT	470.0	0.15		70.0		70.0	46.5	23.5

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
16	1.00	0.150	0.49	0.96	15	955	36	9 986	972.5	1984	85 06 - SUSP 85 08
32	4.80	0.175	0.50	0.96	15	930	36	9 222	1 003.3	1985	85 10 - SUSP 85 12
16	2.30	0.170	0.34	0.96	15	928	23	10 675	956.9	1985	86 04 - SUSP 86 03
64	1.00	0.200	0.30	0.94	17	947	29	11 177	977.5	1983	88 12 - SUSP 86 03
386	11.70	0.240	0.21	0.93	17	879	30	10 650	948.5	1979	84 09
408					57	894	30	11 382	979.1	1980	88 08
64	1.10	0.140	0.25	0.87							
344	6.08	0.190	0.25	0.87							
16	4.80	0.100	0.50	0.92	36	937	32	7 429	974.5	1981	83 12 - SUSP 87 07
184	5.78	0.240	0.20	0.95	17	899	29	10 765	951.0	1978	86 01
32	5.50	0.200	0.30	0.95	17	899	29	10 096	959.7	1984	86 01
16	4.10	0.150	0.40	0.92	17	889	29	9 865	934.4	1986	86 06
713	2.77	0.210	0.50	0.94	32	887	29	11 030	979.3	1966	70 08 - GPP
184	2.59	0.200	0.38	0.94	16	887	31	11 290	970.8	1967	84 12 - GPP
267	7.62	0.200	0.35	0.94	22	940	37	11 110	991.5	1974	86 12 - GPP
365	5.27	0.170	0.35	0.94	21	940	32	11 100	997.0	1976	83 12 - GPP
48	6.90	0.160	0.31	0.94	27	940	32	10 810	988.3	1977	80 04 - GPP
32	5.00	0.150	0.49	0.94	25	940	32	10 704	967.3	1981	85 12 - GPP
64	3.20	0.170	0.30	0.94	20	884	33	10 582	977.4	1982	83 06 - SUSP 84 10
368	3.15	0.190	0.40	0.94	15	896	54	10 407	965.9	1983	88 05
32	2.50	0.180	0.27	0.94	25	924	35	10 613	981.9	1983	83 11 - ABAND 84 04
64	3.60	0.140	0.48	0.94	15	893	54	10 758	981.2	1983	84 05 - SUSP 84 07
282	4.33	0.150	0.48	0.90	38	934	32	10 045	971.0	1983	88 03
16	2.50	0.200	0.38	0.94	16	887	33	8 885	978.3	1981	88 12 - SUSP 86 03
16	2.20	0.200	0.27	0.96	14	945	33	9 183	987.4	1987	88 06
16	2.20	0.230	0.35	0.92	35	895	29	10 560	992.6	1980	85 04 - SUSP 87 07
1 139					7	946	35	10 000	990.7	1963	88 10
16	8.00	0.200	0.40	0.97							
1 123	6.97	0.205	0.40	0.97							- GPP
518	6.34	0.259	0.10	0.94	16	940	41	9 890	984.8	1963	88 12
65	3.05	0.200	0.25	0.95	16	940	38	9 960	976.6	1965	67 11 - ABAND 67 06
92	2.59	0.220	0.21	0.94	46	898	31	10 032	979.5	1965	86 09
32	6.25	0.180	0.30	0.98	21	930	32	10 260	994.3	1978	88 12 - SUSP 86 01
96	7.58	0.192	0.38	0.97	6	939	32	9 364	1 004.1	1979	87 12
16	7.60	0.189	0.27	0.98	21	947	32	9 562	986.6	1983	84 03
32	3.00	0.156	0.55	0.98	6	920	32	9 775	978.4	1984	84 06 - ABAND 87 01
32	2.80	0.170	0.40	0.94	27	939	28	10 805	1 001.8	1984	87 12
16	5.50	0.180	0.32	0.98	15	930	34	9 725	997.3	1984	88 12 - SUSP 86 01
16	8.20	0.180	0.45	0.91	46	950	31		993.2	1987	87 09
16	16.80	0.160	0.42	0.95	17	899	29	9 516	975.3	1983	83 12
16	2.70	0.160	0.23	0.97	15	935	33	9 937	983.4	1984	85 05
64	6.68	0.230	0.18	0.95	17	914	29	9 775	988.7	1986	87 04
64	7.50	0.160	0.30	0.94	24	897	31	10 279	1 013.3	1986	86 08
380	3.41	0.200	0.40	0.94	16	915	29	10 070	972.6	1963	85 12 - GPP
32	6.10	0.170	0.46	0.96	16	934	36	9 780	949.2	1973	78 10
351	1.80	0.200	0.44	0.96	10	915	32	10 140	963.5	1974	85 07
64	2.98	0.200	0.50	0.96	10	915	32	9 623	969.3	1977	87 12
32	2.00	0.160	0.65	0.96	10	917	32	9 847	986.3	1987	88 07
65	1.22	0.220	0.40	0.95	20	881	27	4 870	684.6	1975	76 02
280	4.62	0.240	0.21	0.84	72	881	32	11 220	1 000.7	1974	88 11
200	5.40	0.160	0.44	0.86	68	831	31	10 806	981.1	1982	85 12
174	3.33	0.180	0.29	0.89	65	904	32	12 100	1 099.4	1974	88 10
429	3.70	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP
65	3.96	0.180	0.50	0.94	25	940	32	10 480	1 025.7	1974	82 12 - SUSP 74 11
32	2.44	0.180	0.35	0.89	53	921	32	11 135	1 008.6	1975	78 07 - SUSP 78 02
32	2.50	0.100	0.45	0.95	21	930	33	11 290	1 037.0	1977	83 12 - SUSP 79 09
32	3.30	0.180	0.35	0.88	55	917	33	10 780	1 066.1	1979	87 12 - GPP
155	0.75	0.150	0.28	0.90	38	889	32	11 082	1 007.3	1981	88 12 - GPP
16	3.70	0.210	0.18	0.95	20	956	33	10 924	1 000.2	1981	81 07 - SUSP 85 06
64	2.75	0.240	0.23	0.85	86	17	35	11 107	1 092.3	1984	85 05
161	2.77	0.180	0.35	0.90	21	940	38	11 176	993.8	1974	85 09 - GPP

TABLE 2-4

	1	2	3	4	5	6	7	8
FIELD POOL	INITIAL VOLUME IN PLACE 10³m³	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION 10³m³	REMAINING ESTABLISHED RESERVES 10³m³
		PRIMARY frac	ENHANCED frac	PRIMARY 10³m³	ENHANCED 10³m³	TOTAL 10³m³		
VERGER 022-15W4								
MANNVILLE A	78.2	<0.01		0.3		0.3	0.3	
MANNVILLE D	2 180.0	<0.01		4.7		4.7	4.7	
MANNVILLE F	149.0	0.10		14.9		14.9	4.5	10.4
UPPER MANNVILLE C	4 130.0	0.01		41.3		41.3	18.9	22.4
VERMILION 050-05W4								
SPARKY A	7 710.0	<0.09		637.0		637.0	547.7	89.3
VIKING-KINSELLA 047-11W4								
UPPER MANNVILLE B	289.0	<0.01		0.3		0.3	0.3	
UPPER MANNVILLE C	77.0	0.05		3.9		3.9	3.7	0.2
UPPER MANNVILLE K	100.0	<0.01		0.1		0.1	0.1	
UPPER MANNVILLE R	764.0	<0.01		1.3		1.3	1.3	
UPPER MANNVILLE X	39.8	<0.01		0.1		0.1		0.1
UPPER MANNVILLE CC	75.2	<0.02		1.2		1.2	1.2	
UPPER MANNVILLE OO	146.0	<0.01		0.4		0.4	0.4	
UPPER MANNVILLE CCC	469.0	0.05		23.5		23.5	3.2	20.3
COLONY YY	127.0	<0.01		0.1		0.1	0.1	
COLONY ZZ	82.6	0.05		4.1		4.1	0.5	3.6
SPARKY E	99.5	0.05		5.0		5.0	0.5	4.5
SPARKY F	5 340.0	0.05		267.0		267.0	65.1	201.9
SPARKY G	241.0	<0.01		2.4		2.4	0.6	1.8
WAINWRIGHT B TOTAL	20 910.0			1 046.0	4 072.0	5 118.0	4 117.8	1 000.2
PRIMARY AREA	550.0	0.05		27.5		27.5		
WATER FLOOD AREA	20 360.0	0.05	0.20	1 018.0	4 072.0	5 090.0		
WAINWRIGHT D	1 020.0	0.05		51.0		51.0	3.4	47.6
WAINWRIGHT E	78.7	0.03		2.4		2.4	0.8	1.6
WAINWRIGHT H	136.0	<0.01		0.7		0.7	0.7	
WAINWRIGHT I	76.5	<0.01		0.2		0.2	0.2	
LOWER MANNVILLE K	92.5	<0.01		0.2		0.2	0.2	
D-2 H	31.5	0.10		3.2		3.2	2.0	1.2
D-2 J	138.0	0.05		6.9		6.9	2.4	4.5
WAINWRIGHT 045-06W4								
VIKING,COLONY GRVW&EE	137.0	0.07		9.6		9.6	5.2	4.4
COLONY R	63.0	0.07		4.4		4.4	3.1	1.3
COLONY CC	686.0	0.10		68.6		68.6	38.1	30.5
COLONY MM	37.7	<0.01		0.1		0.1	0.1	
COLONY NN	21.2	<0.01		0.1		0.1	0.1	
SPARKY B	439.0	0.05		22.0		22.0	12.4	9.6
SPARKY C	327.0	0.03		9.8		9.8	1.3	8.5
SPARKY F	91.2	0.05		4.6		4.6	1.6	3.0
SPARKY G	99.0	0.05		5.0		5.0	3.5	1.5
SPARKY H	50.2	<0.01		0.1		0.1		0.1
SPARKY J TOTAL	416.0			25.0	43.4	68.4	39.4	29.0
PRIMARY AREA	106.0	0.06		6.4		6.4		
WATER FLOOD AREA	310.0	0.06	0.14	18.6	43.4	62.0		
SPARKY K	31.2	0.05		1.6		1.6	0.9	0.7
SPARKY L	31.0	0.05		1.6		1.6	0.6	1.0
SPARKY N	46.2	<0.01		0.1		0.1		0.1
SPARKY O	51.2	<0.01		0.1		0.1		0.1
SPARKY P	44.2	<0.01		0.3		0.3	0.3	
SPARKY R	34.8	<0.01		0.1		0.1		0.1
SPARKY U	24.7	0.05		1.2		1.2	0.1	1.1
SPARKY W	39.5	<0.01		0.1		0.1		0.1
SPARKY X	40.0	<0.01		0.2		0.2	0.2	
SPARKY Y	26.1	0.05		1.3		1.3	0.1	1.2
SPARKY Z	15.4	0.15		2.3		2.3	2.1	0.2
WAINWRIGHT B TOTAL	4 340.0			217.0	480.0	697.0	111.0	586.0
PRIMARY AREA	1 340.0	0.05		67.0		67.0		
WATER FLOOD AREA	3 000.0	0.05	0.16	150.0	480.0	630.0		
WAINWRIGHT C TOTAL	2 100.0			126.0	55.5	182.0	89.7	92.3
PRIMARY AREA	1 730.0	0.06		104.0		104.0		
WATER FLOOD AREA	370.0	0.06	0.15	22.2	55.5	77.7		
WAINWRIGHT & SPARKY A TOTAL	44 630.0			2 678.0	10 690.0	13 370.0	10 426.3	2 943.7
PRIMARY AREA	6 611.0	0.06		397.0		397.0		
WATER FLOOD AREA	38 020.0	<0.07	0.27	2 281.0	10 690.0	12 970.0		
GENERAL PETROLEUM B	658.0	<0.01		0.4		0.4	0.4	
GENERAL PETROLEUM C	24.0	0.10		2.4		2.4	0.3	2.1

9	10	11	12	13	14	15	16	17	18	19	20
AREA	AVERAGE PAY THICKNESS	POROSITY	WATER SATN	SHRINKAGE	INITIAL SOLUTION GOR	DENSITY	TEMP	INITIAL PRESSURE	MEAN FORMATION DEPTH	DISC YEAR	DATE LAST REVIEWED AND REMARKS
ha	m	frac	frac	frac	m^3/m^3	kg/m^3	°C	kPa	m		
16	4.00	0.200	0.35	0.94	19	960	40	10 378	1 062.9	1974	83 12 - ABAND 83 10
1 502	2.56	0.180	0.65	0.90	41	915	46	10 400	1 062.8	1971	82 12 - SUSP 80 06
64	1.50	0.260	0.33	0.89	45	892	38	9 961	1 170.3	1980	85 04
1 079	3.66	0.198	0.40	0.88	57	881	36	10 130	983.6	1971	74 12
1 325	2.71	0.280	0.20	0.96	11	965	27	3 585	560.8	1939	86 12 - GPP
65	2.13	0.290	0.23	0.94	21	927	34	4 830	717.5	1975	82 12 - SUSP 75 06
16	3.35	0.250	0.40	0.96	18	946	28	4 680	688.2	1975	82 12 - GPP
65	0.91	0.290	0.39	0.96	19	952	29	5 360	765.7	1975	77 03 - ABAND 87 06
64	7.70	0.300	0.45	0.94	21	927	31	6 510	752.2	1972	77 12 - SUSP 79 12
16	1.50	0.270	0.36	0.96	18	970	29	5 680	744.2	1978	79 04 - ABAND 86 10
16	2.40	0.300	0.32	0.96	10	939	33	5 210	733.0	1979	80 07 - ABAND 87 10
16	5.40	0.280	0.37	0.96	17	949	30	5 401	746.0	1980	88 12 - SUSP 86 03
192	1.87	0.233	0.34	0.85	64	864	33	4 927	765.3	1982	84 01 - GPP
64	1.30	0.320	0.50	0.95	21	946	28	4 817	652.7	1981	88 12 - SUSP 86 04
16	2.40	0.320	0.30	0.96	17	964	25	4 627	620.7	1976	85 08 - SUSP 88 08
16	2.90	0.330	0.33	0.97	10	950	20	5 030	658.6	1985	87 05
1 183	2.88	0.230	0.29	0.96	18	928	28	5 618	721.3	1987	88 06
32	3.49	0.300	0.25	0.96	17	934	28	5 008	656.3	1986	87 11 - ABAND 88 03
3 134					15	927	27	4 840	653.2	1973	87 11
88	3.24	0.300	0.33	0.96							
3 046	3.46	0.300	0.33	0.96							- GPP
156	3.46	0.290	0.32	0.96	17	965	28	5 240	687.0	1976	78 12 - SUSP 86 11
16	2.44	0.280	0.25	0.96	17	965	27	5 050	672.7	1976	83 12 - SUSP 86 10
32	2.21	0.300	0.34	0.97	15	958	27	4 980	688.1	1978	83 12 - SUSP 80 12
16	2.20	0.310	0.27	0.96	10	956	34	4 970	740.9	1978	82 12 - ABAND 87 10
16	2.70	0.300	0.17	0.86	70	996	31	5 610	843.1	1977	83 12 - SUSP 83 12
16	2.48	0.126	0.35	0.97	20	970	28	4 868	761.8	1986	86 10
16	6.70	0.170	0.22	0.97	20	970	28		625.5	1987	88 03
32	1.95	0.330	0.30	0.95	20	946	30	5 507	605.3	1975	83 04
16	1.83	0.310	0.27	0.95	15	946	27	3 990	626.7	1972	85 12 - GPP
96	3.51	0.300	0.30	0.97	16	955	31	4 340	590.1	1973	88 12 - GPP
16	1.70	0.280	0.50	0.99	12	947	25	4 444	644.1	1984	88 12 - SUSP 86 07
16	1.00	0.250	0.43	0.93	29	980	28	3 900	591.9	1982	85 09 - ABAND 86 01
48	7.42	0.250	0.47	0.93	14	959	27	4 340	645.0	1967	88 12 - GPP
65	2.13	0.330	0.25	0.96	16	959	31	4 343	657.0	1976	77 12
32	2.28	0.240	0.40	0.93	15	921	27	3 850	639.7	1978	79 11 - SUSP 87 07
32	2.00	0.260	0.38	0.96	16	945	25	4 510	635.5	1978	81 12 - GPP
16	3.00	0.220	0.50	0.95	23	950	28	4 519	627.6	1980	80 09 - SUSP 83 07
156					14	960	30	4 547	657.9	1981	87 12 - SUSP 87 09
56	1.20	0.270	0.37	0.93							
100	1.96	0.270	0.37	0.93							- GPP
8	2.50	0.250	0.33	0.93	32	904	30	4 340	615.8	1981	82 04 - SUSP 87 07
8	2.30	0.270	0.35	0.96	16	921	33	4 816	614.4	1982	83 08 - SUSP 87 07
16	2.70	0.230	0.50	0.93	14	960	25	4 324	648.2	1983	88 12 - SUSP 85 07
16	2.50	0.250	0.45	0.93	14	960	23	3 981	626.3	1984	88 12 - SUSP 85 07
16	2.00	0.270	0.45	0.93	14	960	27	4 417	627.5	1984	84 09 - ABAND 85 08
16	1.70	0.250	0.45	0.93	20	960	25	3 252	630.3	1984	84 11 - SUSP 85 07
16	1.20	0.260	0.48	0.95	12	960	23	3 904	652.0	1984	85 03 - SUSP 87 06
16	1.60	0.280	0.42	0.95	21	980	28	4 221	634.4	1985	85 09 - ABAND 85 12
16	1.70	0.280	0.44	0.94	12	939	26	4 110	614.1	1985	88 12 - SUSP 86 06
16	1.30	0.270	0.50	0.93	12	924	26	4 369	680.8	1985	86 04
16	0.71	0.260	0.44	0.93	12	930	25	4 200	634.9	1985	86 04
904					14	904	27	4 527	662.8	1975	88 12
240	3.78	0.270	0.43	0.96							
664	3.17	0.270	0.45	0.96							
363					15	921	27	4 770	690.2	1926	85 07
305	3.55	0.260	0.34	0.93							
58	4.00	0.260	0.34	0.93							
6 774					15	921	27	4 830	639.5	1925	88 12
1 184	2.94	0.300	0.32	0.93							
5 590	3.20	0.313	0.27	0.93							- GPP
65	5.18	0.310	0.32	0.93	24	904	23	4 450	638.6	1975	76 07 - ABAND 76 02
8	2.70	0.240	0.50	0.93	10	906	30	4 565	662.2	1985	87 07

TABLE 2-4

FIELD POOL	1 INITIAL VOLUME IN PLACE 10³m³	2 RECOVERY PRIMARY frac	3 RECOVERY ENHANCED frac	4 INITIAL ESTABLISHED RESERVES PRIMARY 10³m³	5 INITIAL ESTABLISHED RESERVES ENHANCED 10³m³	6 INITIAL ESTABLISHED RESERVES TOTAL 10³m³	7 CUMULATIVE PRODUCTION 10³m³	8 REMAINING ESTABLISHED RESERVES 10³m³
WAINWRIGHT 045-06W4 (CONTINUED)								
REX A	320.0	0.10		32.0		32.0	0.4	31.6
LLOYDMINSTER A	107.0	0.10		10.8		10.8	9.3	1.5
LLOYDMINSTER B	510.0	<0.01		4.0		4.0	4.0	
LLOYDMINSTER C	88.9	<0.01		0.1		0.1		0.1
DETRITAL B	68.6	0.10		6.9		6.9	0.1	6.8
NISKU A	4 573.0	0.08		366.0		366.0	172.2	193.8
NISKU E	29.8	0.10		3.0		3.0	1.9	1.1
NISKU F	19.4	<0.01		0.1		0.1	0.1	
CAMROSE A	694.0	0.10		69.4		69.4	35.2	34.2
CAMROSE D	40.3	<0.02		0.5		0.5	0.5	
CAMROSE E	156.0	0.10		15.6		15.6	10.7	4.9
WARWICK 052-14W4								
UPPER MANNVILLE J	726.0	<0.04		23.6		23.6	23.6	
UPPER MANNVILLE V	38.8	<0.01		0.1		0.1		0.1
WILDMERE 048-05W4								
UPPER MANNVILLE A	69.8	<0.03		1.8		1.8	1.8	
COLONY I	338.0	0.05		16.9		16.9	4.9	12.0
COLONY U	151.0	<0.01		0.1		0.1	0.1	
WASECA A	115.0	0.05		5.8		5.8		5.8
SPARKY B	4 080.0	0.06		245.0		245.0	175.7	69.3
SPARKY G	164.0	0.05		8.2		8.2	4.6	3.6
SPARKY H	200.0	0.05		10.0		10.0	5.6	4.4
SPARKY I	40.2	<0.01		0.1		0.1	0.1	
SPARKY M	65.6	<0.01		0.1		0.1	0.1	
SPARKY N	10 800.0	0.05		540.0		540.0	72.5	467.5
SPARKY O	733.0	0.05		36.7		36.7	4.3	32.4
SPARKY P	37.8	0.05		1.9		1.9		1.9
SPARKY Q	115.0	<0.01		0.1		0.1		0.1
SPARKY S	190.0	0.05		9.5		9.5		9.5
SPARKY R & GENERAL PETROLEUM C	119.0	<0.01		0.1		0.1	0.1	
SPARKY J & GENERAL PETROLEUM B	611.0	<0.01		1.6		1.6	1.6	
GENERAL PETROLEUM A	400.0	0.05		20.0		20.0	11.5	8.5
GENERAL PETROLEUM D	101.0	0.03		3.0		3.0		3.0
LLOYDMINSTER B	217.0	0.05		10.9		10.9	1.4	9.5
LLOYDMINSTER C	2 050.0	0.03		61.5		61.5	26.2	35.3
LLOYDMINSTER D	401.0	0.02		8.0		8.0	3.4	4.6
LLOYDMINSTER E	140.0	0.05		7.0		7.0	1.6	5.4
LLOYDMINSTER F	190.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER G	143.0	<0.01		0.3		0.3	0.3	
LLOYDMINSTER H	133.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER I	97.0	<0.02		1.4		1.4	1.4	
LLOYDMINSTER K	184.0	<0.01		0.2		0.2	0.2	
LLOYDMINSTER L	169.0	0.05		8.5		8.5	3.0	5.5
LLOYDMINSTER M	177.0	0.05		8.9		8.9	1.3	7.6
LLOYDMINSTER N	216.0	0.05		10.8		10.8	0.8	10.0
LLOYDMINSTER P	2 522.0	0.03		75.6		75.6	11.7	63.9
LLOYDMINSTER Q	242.0	0.05		12.1		12.1	1.9	10.2
LLOYDMINSTER R	100.0	<0.01		0.4		0.4	0.4	
LLOYDMINSTER V	1 600.0	0.01		16.0		16.0	4.6	11.4
LLOYDMINSTER W	295.0	0.05		14.8		14.8	0.1	14.7
LLOYDMINSTER A & SPARKY E TOTAL	43 400.0			2 170.0	960.0	3 130.0	1 919.2	1 210.8
PRIMARY AREA	31 400.0	0.05		1 570.0		1 570.0		
WATER FLOOD AREA	12 000.0	0.05	0.08	600.0	960.0	1 560.0		
WRENTHAM 006-16W4								
GLAUCONITIC A	67.4	0.07		4.7		4.7	4.0	0.7
GLAUCONITIC B	229.0	0.10		22.9		22.9	8.9	14.0
LOWER MANNVILLE A	333.0	<0.01		0.1		0.1	0.1	
LOWER MANNVILLE B WATER FLOOD	1 180.0	0.08	0.12	94.4	142.0	236.0	209.3	26.7
LOWER MANNVILLE C TOTAL	2 053.0			206.0	85.3	291.0	249.8	41.2
PRIMARY AREA	1 200.0	0.10		120.0		120.0		
WATER FLOOD AREA	853.0	0.10	0.10	86.0	85.3	171.0		
LOWER MANNVILLE E	554.0	0.07		38.8		38.8	29.2	9.6
LOWER MANNVILLE F	855.0	0.05		42.8		42.8	19.9	22.9

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m³/m³	15 DENSITY kg/m³	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
64	3.50	0.240	0.38	0.96	16	893	26		647.0	1986	88 10
8	7.92	0.300	0.40	0.93	14	921	28	4 310	654.4	1968	69 02 - GPP
64	3.39	0.330	0.25	0.95	32	959	28	4 480	679.7	1974	83 12 - ABAND 83 03
16	3.00	0.300	0.35	0.95	21	952	28	6 400	663.8	1981	82 05 - ABAND 81 12
16	2.50	0.330	0.35	0.80	90	855	29	2 019	688.7	1984	87 12
606	6.80	0.170	0.32	0.96	14	957	24	3 493	641.5	1982	88 12
16	4.90	0.090	0.56	0.96	15	953	25	4 337	664.8	1985	87 12
16	3.00	0.100	0.58	0.96	15	953	24	4 305	656.9	1985	86 06 - SUSP 87 07
156	3.84	0.180	0.33	0.96	31	955	29	4 350	655.8	1984	86 01
16	3.20	0.140	0.42	0.97	10	960	27	3 995	700.6	1986	87 12
32	4.53	0.180	0.39	0.98	15	965	26	4 311	659.7	1985	87 12
128	3.42	0.275	0.33	0.90	22	910	29	5 670	652.6	1971	88 12 - SUSP 84 08
16	1.52	0.270	0.40	0.97	11	927	29	5 210	584.9	1977	79 12 - ABAND 78 10
16	1.83	0.320	0.24	0.97	15	952	21	4 140	595.0	1975	88 12 - SUSP 86 09
48	2.95	0.330	0.27	0.99	8	977	22	3 940	574.3	1980	83 06 - GPP
16	4.30	0.320	0.30	0.98	15	970	22	3 500	560.6	1974	88 12 - SUSP 86 03
16	3.40	0.280	0.23	0.98	7	987	28	4 187	601.1	1985	87 08 - SUSP 87 09
597	2.59	0.320	0.15	0.97	15	959	32	6 900	607.7	1965	86 12 - GPP
64	1.75	0.280	0.46	0.97	14	939	26	5 874	600.0	1979	81 02
73	1.60	0.290	0.39	0.97	10	953	25	3 216	549.7	1979	85 12 - GPP
16	1.20	0.300	0.28	0.97	10	958	25	3 210	548.7	1980	88 12 - SUSP 81 07
16	2.20	0.320	0.40	0.97	12	984	25	5 874	586.9	1981	82 05 - ABAND 85 07
913	5.39	0.310	0.27	0.97	14	966	23	4 600	565.3	1982	86 03
112	3.06	0.300	0.28	0.99	10	973	28	4 840	657.8	1983	84 08
16	1.80	0.260	0.48	0.97	13	981	21	5 523	561.4	1977	84 08
16	3.20	0.310	0.25	0.97	25	980	25	4 512	633.4	1984	88 12 - SUSP 84 11
16	5.70	0.300	0.30	0.99	10	981	24	5 520	602.8	1984	85 12
32	2.00	0.300	0.36	0.97	11	982	29	4 400	622.3	1981	84 12 - ABAND 86 12
163	1.87	0.300	0.31	0.97	13	950	25	4 376	590.2	1979	88 12 - SUSP 86 06
64	2.98	0.300	0.28	0.97	11	935	29	4 400	625.1	1977	85 12
16	2.90	0.320	0.30	0.97	12	987	24	4 429	639.3	1986	86 11 - SUSP 87 05
16	5.48	0.310	0.19	0.99	9	965	26	3 790	591.6	1973	85 04 - SUSP 86 11
208	4.52	0.290	0.24	0.99	9	993	27	4 740	646.5	1978	84 12 - GPP
32	4.92	0.310	0.17	0.99	9	997	25	4 570	686.1	1978	84 12 - GPP
16	4.20	0.280	0.25	0.99	12	997	24	4 760	648.9	1980	82 04 - SUSP 86 10
16	5.00	0.300	0.20	0.99	9	990	25	4 440	672.5	1981	82 05 - ABAND 87 08
16	4.00	0.300	0.25	0.99	9	984	25	4 460	631.3	1981	82 07 - ABAND 85 06
16	4.00	0.270	0.22	0.99	9	996	29	4 495	684.0	1981	82 10 - ABAND 86 05
16	3.50	0.250	0.30	0.99	9	988	23	4 570	650.3	1982	88 12 - SUSP 86 09
16	5.70	0.280	0.25	0.96	38	952	24	4 616	701.7	1983	83 11 - SUSP 85 03
16	5.00	0.290	0.25	0.97	16	983	26	5 075	652.6	1983	84 02
16	5.50	0.290	0.30	0.99	27	979	25	4 760	643.5	1982	83 04
16	5.80	0.300	0.20	0.97	16	932	26	4 755	644.8	1982	83 05 - SUSP 86 09
176	6.35	0.300	0.24	0.99	16	980	26	4 860	653.4	1984	87 07
16	6.50	0.300	0.20	0.97	16	986	26	4 560	646.6	1983	84 11
16	4.00	0.270	0.40	0.97	16	986	26	4 701	651.0	1984	88 12 - SUSP 86 09
112	6.25	0.310	0.24	0.97	16	969	26	4 960	669.5	1985	87 12
16	7.50	0.310	0.20	0.99	12	990	30	3 750	657.8	1986	86 12
2 993					10	946	26	4 765	618.6	1966	88 01 - GPP
2 369	5.55	0.320	0.23	0.97							
624	8.05	0.320	0.23	0.97							
16	3.07	0.200	0.27	0.94	22	934	37	5 730	994.0	1976	85 12
48	4.16	0.200	0.39	0.94	22	930	34	9 603	979.2	1982	84 09
32	8.70	0.190	0.33	0.94	10	934	36	9 629	977.5	1967	82 12 - SUSP 83 10
78	10.47	0.220	0.33	0.98	10	934	31	9 630	945.5	1967	86 04 - GPP
386					10	934	31	9 550	941.2	1967	86 12 - GPP
225	3.95	0.200	0.31	0.98							86 12 - GPP - MRL
161	3.66	0.220	0.33	0.98							
96	5.07	0.170	0.31	0.97	10	937	30	9 050	952.6	1979	85 12
144	5.89	0.180	0.41	0.95	10	935	30	9 567	1 002.4	1979	86 01

TABLE 2-4

FIELD POOL	1	2	3	4	5	6	7	8
	INITIAL VOLUME IN PLACE	RECOVERY		INITIAL ESTABLISHED RESERVES			CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES
		PRIMARY	ENHANCED	PRIMARY	ENHANCED	TOTAL		
	10^3m^3	frac	frac	10^3m^3	10^3m^3	10^3m^3	10^3m^3	10^3m^3
WRENTHAM 006-16W4 (CONTINUED)								
LOWER MANNVILLE G	384.0	0.07		26.9		26.9	18.7	8.2
LOWER MANNVILLE H	114.0	0.10		11.4		11.4	9.3	2.1
UNDEFINED AND CONFIDENTIAL POOLS	40 820.3			1 996.2		1 996.2	196.5	1 807.2
TOTAL HEAVY CRUDE OIL	1 367 134.5			104 652.4	51 876.5	156 552.7	103 493.0	53 067.2
PROVINCIAL TOTAL OF LIGHT-MEDIUM AND HEAVY CRUDE OIL	8 225 170.3			1 547 770.3	683 920.0	2 231 718.3	1 638 836.3	592 915.3

9 AREA ha	10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 WATER SATN frac	13 SHRINKAGE frac	14 INITIAL SOLUTION GOR m^3/m^3	15 DENSITY kg/m^3	16 TEMP °C	17 INITIAL PRESSURE kPa	18 MEAN FORMATION DEPTH m	19 DISC YEAR	20 DATE LAST REVIEWED AND REMARKS
80	4.85	0.200	0.49	0.97	10	935	30	9 463	970.4	1985	87 12
16	4.62	0.210	0.25	0.98	10	934	31	10 575	974.3	1978	86 04

3 RESERVES OF CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

3.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of crude bitumen from the deposits under active development to be 497 million cubic metres for the surface-mineable schemes and 69.5 million cubic metres for the in situ schemes. The initial established reserves attributed to the in situ schemes under active development at the end of 1988 were about 17 per cent above those for 1987.

The changes for established crude bitumen reserves are shown below:

	1988	1987	Change
	10^6 m^3		
Initial Established Reserves			
Surface-mineable	644.0	644.0	–
In Situ	99.0	84.3	+14.7
Total	743.0	728.3	+14.7
Cumulative Production			
Surface-mineable	147.0	133.0	+14.0
In Situ	29.5	22.1	+ 7.4
Total	176.5	155.1	+21.4
Remaining Established Reserves			
Surface-mineable	497.0	511.0	−14.0
In Situ	69.5	62.2	+ 7.3
Total	566.5	573.2	− 6.7

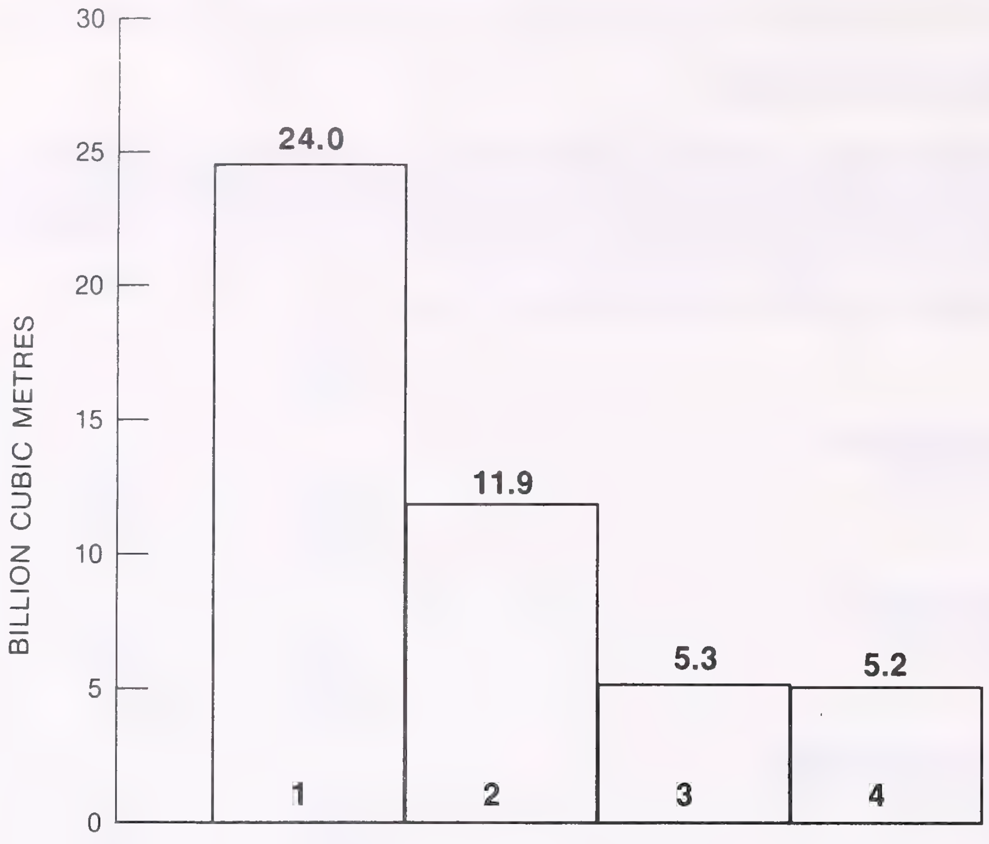
The net change to the initial established in situ crude bitumen reserves for 1988 comprised 14.7 million cubic metres added from the Cold Lake commercial projects as the result of continued drilling.

Synthetic crude oil production resulting from the crude bitumen production at the two mining schemes amounted to some 11.6 million cubic metres with 8.7 million cubic metres from the Syncrude project and 2.9 million cubic metres from the Suncor project.

3.2 INITIAL IN-PLACE VOLUMES OF CRUDE BITUMEN

Alberta's massive crude bitumen reserves are contained in sand and carbonate sedimentary formations in the Athabasca, Cold Lake, and Peace River oil sands areas. Oil Sands Area Orders (OSA Orders) outline the general areal extent of crude bitumen occurrence and Oil Sands Deposit Orders (OSD Orders) outline the specific geological zones which have been declared as oil sands deposits.

Initial in-place volumes of crude bitumen in each deposit were estimated using drillhole data and geophysical logs available to the end of 1988. The crude bitumen within the Cretaceous sands was determined using a minimum saturation cut-off of 3 mass per cent crude bitumen, and a minimum saturated zone thickness of 1.5 metres.



1. INITIAL VOLUME IN PLACE. Gross volume of crude bitumen established to exist within the surface-mineable area.

2. INITIAL MINEABLE VOLUME IN PLACE. Volume of crude bitumen calculated using minimum saturation and thickness criteria, and based upon the application of economic-strip-ratio criteria within the surface-mineable area.

3. INITIAL ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 2, but excluding mining, extraction, and isolated ore losses, and areas unavailable because of placement of mine surface facilities and environmental buffer zones.

4. REMAINING ESTABLISHED MINEABLE RESERVE. Volume of crude bitumen established within category 3, less cumulative production.

FIGURE 3-1 **CRUDE BITUMEN RESERVES CATEGORIES WITHIN THE SURFACE-MINEABLE AREA**

For the surface-mineable area of the Athabasca deposit, in-place volumes were calculated by programmed computer techniques employing a geostatistical approach. The resulting in-place reserve volumes show a negligible change from those published in 1987, and therefore no revision has been made for 1988.

Excluding the surface-mineable area, the building-block approach remains the method used to identify the in-place volumes within each deposit. Each deposit was divided into 2340-hectare (quarter-township) blocks and the initial in-place volume of crude bitumen in each block was determined using the average properties of the wells drilled in the block. Blocks not containing wells were assigned conservative values based on the lowest initial in-place volume of crude bitumen calculated for an adjacent block.

The crude bitumen in-place volumes in the carbonate deposits were determined on the basis of isopach mapping rather than the building-block method. A minimum bitumen saturation of 30 per cent of pore volume and a porosity value of 5 per cent were used as cut-offs in this evaluation.

The total initial volumes of crude bitumen in place for the designated deposits at 31 December 1988 were estimated at 267 billion cubic metres, unchanged from last year. The data are presented in Table 3-2.

3.3 SURFACE-MINEABLE CRUDE BITUMEN AND SYNTHETIC CRUDE OIL RESERVES

The initial mineable volume of in-place reserves of crude bitumen for the surface-mineable area was determined using the method outlined in Section 3.2, within that part of the Athabasca Wabiskaw-McMurray deposit where total overburden and top reject generally do not exceed 75 metres.

Potentially mineable areas were identified by economic strip ratio (ESR) criteria, a minimum saturation cut-off of 5 mass per cent bitumen, and a minimum saturated zone thickness of 1.5 metres. The ESR criteria are fully explained in Appendix III of ERCB Report 79-H[1]. The ESR criteria applied to varying bitumen saturations remains unchanged from the 1987 publication. Reserve volumes calculated within the surface-mineable area show a negligible change from those published in 1987, and therefore no revision has been made to the values contained in this section.

The initial mineable volume in place of crude bitumen within the potentially mineable areas was established to be 11.9 billion cubic metres. After allowing for surface facilities (plant sites, tailings ponds, discard sites), environmental protection corridors along major rivers, and isolated mineable areas, and assuming a combined mining/extraction recovery factor of 0.82, the resulting initial established mineable reserve of crude bitumen is estimated to be 5.3 billion cubic metres as shown in Figure 3-1. Technological improvements, better placement of surface facilities in future projects, and improved price/cost economics could increase this estimate.

Only a small portion of the initial established mineable reserves is being actively developed. The surface mining projects of Suncor and Syncrude are currently the only schemes under active development. During 1988, Syncrude received approval for the expansion of its Mildred Lake Project; however, a commitment to proceed with the expansion has not been made by the operator. The reserves under active development for Syncrude will be revised to reflect an increased project area if the expansion proceeds in the future. The estimated established mineable crude bitumen reserves for those projects as at 31 December 1988 are shown below:

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[1] Energy Resources Conservation Board, 1979. Alsands Fort McMurray Project ERCB Report 79-H. Calgary, Alberta.

Development	Project Area[a]	Initial Mineable Volume in Place[b]	Initial Established Mineable Reserve[b]	Cumulative Production	Remaining Established Mineable Reserve
	ha	10^6 m^3			
Suncor	3 030	216	168	70	98
Syncrude	11 860	807	476	77	399
Total	14 890	1 023	644	147	497

---

[a] The project areas correspond to the areas defined by the scheme approval and include mineable and other disturbed areas.

[b] Definitions are given in Figure 3-1.

The yield of synthetic crude oil through upgrading of crude bitumen is dependent upon the type of upgrading technology used, the use made of any residual materials produced, and the degree to which off-site energy sources are used (eg. natural gas). The yield factor for the existing Suncor delayed coking operation is 0.77, while that for the current operation at Syncrude is 0.82. The natural gas requirements to achieve these yields are approximately 110 cubic metres per cubic metre of synthetic crude oil. Using the 0.80 yield factor, initial established reserves of synthetic crude oil from the 5.3 billion cubic metres of crude bitumen in the surface-mineable area are estimated at 4.2 billion cubic metres.

3.4 IN SITU CRUDE BITUMEN RESERVES

The Board has assigned initial volumes in place and initial and remaining established reserves for commercial projects and active experimental schemes where all or a portion of the wells have been drilled and completed. In this reserves report, an aggregate reserve is shown for all active experimental schemes as well as an estimate of initial volumes in place and remaining established reserves for terminated schemes. An aggregate reserve is also shown for all projects within a given oil sands deposit and area for commercial schemes.

For commercial projects where the crude bitumen can only be recovered by the application of some form of thermal energy, only the areas actually developed for thermal recovery have been included in the established reserves notwithstanding the size of the approved project areas. The initial volume in place for developed areas in each project was based on the assigned drainage areas and had regard for the spacing of the individual wells or well clusters. Established reserves were then determined for the currently approved recovery mechanism. It should be noted that future experimentation and technological improvements may result in higher recovery of crude bitumen. For those projects with a primary recovery (pumping wells at natural temperature) component[2], the in-place volume was based on the assumed full development of all project lands not currently developed for thermal recovery.

The initial established primary reserves for the Lindbergh area were based on a 2 per cent average primary recovery factor for the Cummings sands, and a 0.1 per cent average primary recovery factor for other Mannville sands. The initial established reserves for the Lindbergh thermal production areas were determined by summing the thermal reserves recognized for each project. This resulted in an average recovery factor of 15 per cent for the Mannville group of sands. For all other oil sands areas, the initial established reserves were determined by totalling the individual project reserves in each deposit. The individual project reserves estimates were based on historical and predicted production levels for each project.

For the drilled wells in the active experimental schemes, an initial established reserve figure of 18.1 million cubic metres is considered to be appropriate based on current well productivity, cumulative production, and the project production to the expiry date of each experimental scheme. Information from some 1270 wells was used in determining the experimental reserves figures.

The Board's estimate of the established in situ crude bitumen reserves is shown in Table 3-1.

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[2] For the general Lindbergh area, the initial phase of development will entail cold fluid pumping to create reservoir voidage prior to the implementation of the approved thermal recovery technique.

TABLE 3-1 ESTABLISHED IN SITU CRUDE BITUMEN RESERVES
As at 31 December 1988

Development	1 Initial Volume in Place[a]	2 Recovery Factor	3 Initial Established Reserves	4 Cumulative Production[b]	5 Remaining Established Reserves
	10^6 m^3	Percentage	10^6 m^3		
Peace River Commercial Project					
Thermal-Bluesky/Gething	16.0	40.0	6.4	1.0	5.4
Subtotal	16.0		6.4	1.0	5.4
Cold Lake Commercial Projects					
Cold Lake					
Thermal-Clearwater	328.6	18.0	59.1	11.8	47.3
Subtotal	328.6		59.1	11.8	47.3
Lindbergh					
Primary-Cummings 1 & 2	249.3	2.0	4.9		
-Other Mannville	267.1	0.1	0.3		
Thermal-Cummings 1 & 2	21.7	15.0	3.3		
-Other Mannville	4.3	17.0	0.7		
Subtotal	542.4		9.2	2.6	6.6
Other Lindbergh					
Primary-Cummings 1 & 2	246.9	2.0	5.0		
-Other Mannville	651.6	0.1	0.7		
Subtotal	898.5		5.7	1.4	4.3
Subtotal	1 769.5		74.0	15.8	58.2
Experimental Schemes					
Active	145.2	12.5	18.1	12.2	5.9
Terminated	19.7	2.5	0.5	0.5	
Subtotal	164.9		18.6	12.7	5.9
Total	1 950.4		99.0	29.5	69.5

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[a] Thermal reserves are assigned only for lands approved for thermal developments and having completed drilling development.

[b] Cumulative production to 31 December 1988.

TABLE 3-2

ERCB

Reserves of Crude Bitumen and Basic Data

TABLE 3-2

	1	2	3	4		5	6	7
OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	INITIAL VOLUME IN PLACE $10^6 m^3$	AREA $10^3 ha$	AVERAGE PAY THICKNESS m	BITUMEN SATURATION mass frac	pore vol frac	POROSITY frac	WATER SATN frac	REMARKS
ATHABASCA								
WABISKAW-MCMURRAY								
0 - 20	6 880	86	38	0.098		0.29	0.26	WITHIN MINEABLE AREA
20 - 40	7 780	103	37	0.096		0.29	0.27	WITHIN MINEABLE AREA
40 - 80	6 960	98	36	0.090		0.28	0.31	WITHIN MINEABLE AREA
80 - 120	2 330	26	46	0.097		0.27	0.27	WITHIN MINEABLE AREA
80 - 750+	117 800	4 329	19	0.069		0.28	0.38	BEYOND MINEABLE AREA
SUBTOTAL	141 750							
UPPER GRAND RAPIDS								
150 - 450+	4 140	334	9	0.062		0.30	0.45	
SUBTOTAL	4 140							
MIDDLE GRAND RAPIDS								
150 - 450+	1 410	182	5	0.077		0.30	0.32	
SUBTOTAL	1 410							
LOWER GRAND RAPIDS								
150 - 450+	1 220	173	6	0.051		0.30	0.55	
SUBTOTAL	1 220							
GROSMONT								
A	9 840	939	10		0.60	0.14	0.40	
B	5 380	976	5		0.69	0.15	0.31	
C	15 390	1 189	10		0.75	0.16	0.25	
D	19 890	1 063	16		0.67	0.20	0.33	
SUBTOTAL	50 500							
NISKU								
200 - 800+	10 330	499	8		0.63	0.21	0.37	
SUBTOTAL	10 330							
COLD LAKE								
UPPER GRAND RAPIDS								
300 - 600	7 400	816	6	0.065		0.30	0.42	
SUBTOTAL	7 400							
LOWER GRAND RAPIDS								
COLD LAKE AREA	11 650	740	12	0.069		0.31	0.40	
LINDBERGH AREA								
SPARKY	74	10	3	0.106	0.72	0.31	0.28	
LOWER GRAND RAPIDS 2	21	4	3	0.095	0.67	0.31	0.33	
LOWER GRAND RAPIDS 3	40	4	5	0.085	0.77	0.31	0.26	
LOWER GRAND RAPIDS 4	149	16	4	0.117		0.32	0.23	
LLOYDMINSTER	347	14	9	0.125	0.81	0.33	0.19	
SUBTOTAL	12 280[a]							
CLEARWATER								
300 - 600	11 330	561	12	0.078	0.56	0.30	0.44	
SUBTOTAL	11 330							
WABISKAW-MCMURRAY								
COLD LAKE AREA	3 160	591	6	0.057		0.25	0.49	
LINDBERGH AREA								
CUMMINGS 1	283	32	5	0.089		0.30	0.27	
CUMMINGS 2	235	25	5	0.089		0.31	0.24	
MCMURRAY	217	18	5	0.108	0.76	0.31	0.24	
SUBTOTAL	3 900[a]							
PEACE RIVER								
BLUESKY-GETHING								
300 - 700	12 140	987	13	0.046	0.54	0.24	0.46	
SUBTOTAL	12 140							
UPPER DEBOLT								
500 - 800	1 830	100	13		0.61	0.19	0.39	
SUBTOTAL	1 830							

OIL SANDS AREA OIL SANDS DEPOSIT OVERBURDEN DEPTH (m) OR ZONE	1 INITIAL VOLUME IN PLACE 10^6m^3	2 AREA 10^3ha	3 AVERAGE PAY THICKNESS m	4 BITUMEN SATURATION mass frac	4 BITUMEN SATURATION pore vol frac	5 POROSITY frac	6 WATER SATN frac	7 REMARKS
PEACE RIVER (CONTINUED)								
LOWER DEBOLT								
500 - 800	5 970	202	29		0.67	0.18	0.30	
SUBTOTAL	5 970							
SHUNDA								
500 - 800	2 510	143	14		0.52	0.23	0.48	
SUBTOTAL	2 510							
BELLOY								
675 - 700	232	26	8		0.64	0.27	0.36	
SUBTOTAL	232							
TOTAL	267 000[a]							

[a] DISCREPANCIES ARE DUE TO ROUNDING.

4 RESERVES OF GAS

4.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of marketable gas in Alberta at 31 December 1988 to be 1628 billion cubic metres, having a thermal (heating value) energy content of 62.6 exajoules. This represents a net decrease of 24 billion cubic metres since 31 December 1987. The reserves include ethane and natural gas liquids subsequently recovered at reprocessing plants as discussed in Section 4.7. The changes in reserves during 1988 are shown below:

	Remaining Established Reserves of Marketable Gas			
	Actual Heating Value Basis	**Change**	**37.4 MJ/m³ Basis**	**Energy Content**
	10^9 m³			10^{18} J
At 31 December 1987				
Associated and solution	286.1			
Non-associated	1 365.7			
Total	1 651.7[a]		1 713.7	64.1
Additions during 1988	64.6		[b]	[b]
Less production during 1988	88.6		[b]	[b]
At 31 December 1988				
Associated and solution	280.3	– 5.8	298.6	11.2
Non-associated	1 347.4	– 18.2	1 375.1	51.4
Total	1 627.7	– 24.0	1 673.7	62.6
	(57 774)[c]		(59 406)[d]	

---

[a] Discrepancies are due to rounding.

[b] These figures have not been calculated because of a revision in the methodology of determining the marketable gas gross heating value.

[c] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[d] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

At year-end 1988, gas reserves were assigned to 20 948 pools in the province. Of these, 7549 had produced or are being produced and had remaining established reserves of 1159 billion cubic metres after cumulative production of 1464 billion. The 13 399 pools not on production had aggregate initial established reserves of marketable gas of 468 billion cubic metres, including 34 billion cubic metres of associated initial marketable gas reserves (gas-cap gas) classified as deferred.

4.2 SMALL GAS POOL RESERVES

During 1989, the Board completed the final phase of its review of small gas pools and concluded that overall

- reserve estimates for producing small pools should, in most cases, be determined from production performance, and
- reserve estimates for non-producing small pools should be based on different area assignments for each geological zone.

The reserves for small pools were updated and adjusted to be consistent with these conclusions. This included an update of producing pools using a new computerized production decline extrapolation developed specifically to do an annual update of most single-well pools. All producing and non-producing pools were revised to incorporate the area assignment for the particular zone. Some well area assignments that had been arbitrarily reduced in earlier stages (reserve review date of 1985-1987) were again revised to conform to the newly established areas for the zone. The net effect of these overall updates and adjustments cumulated to a 1.9 billion cubic metre increase for year-end 1988.

The overall change during the course of the 3-year study was a decrease of 96.7 billion cubic metres. The following is a brief summary of all the revisions that have taken place including those revisions for 1988.

ERCB Report	**Change in Initial Marketable Gas**	**Remarks**
	10^9 m^3	
ST 86-18	–21.0	The well area assignment was arbitrarily decreased to 150 hectares from 200 hectares for 1632 single-well pools with a 1985 review date.
ST 87-18	–40.6	The reserves of some 2700 producing single-well pools were reviewed by performance methods.
ST 88-18	–22.0	The well area assignment was reduced to 150 hectares from 200 hectares for some 1600 single-well pools with a 1986 or 1987 review date.
	–15.0	An arbitrary lump sum reduction was made at year-end 1987 (to match the reserves additions realized throughout the province) in anticipation of a 1988 adjustment to shut-in reserves with a pre-1985 review date.
Subtotal	–98.6	In all, reserves for produced and shut-in pools were reduced 40.6 and 58.0 billion cubic metres, respectively, to year-end 1987.
ST 89-18	+ 1.9	Complete implementation of the study resulted in a slight upward correction to the reserves of small gas pools.
Total	–96.7	Final results of the study showed produced and shut-in reserves were reduced 42.2 and 54.5 billion cubic metres, respectively.

As a result of the small gas pool study, the Board will now use the following area assignments for the initial volumetric calculation of reserves for single-well pools:

Zone	**Area Assignment**	**Zone**	**Area Assignment**
	ha		ha
Basal Colorado	100	Cutbank	150
Sparky	100	Taber	150
		Detrital	150
		Basal Quartz	150
Mannville	150	Ellerslie	150
Upper Mannville	150	Cadomin	150

Zone	**Area Assignment**	**Zone**	**Area Assignment**
	ha		ha
Lower Mannville	150		
Basal Mannville	150		
Blairmore	150	Belly River	250
Colony	150	Falher	250
Glauconitic	150	Notikewin	250
Ostracod	150	Spirit River	250
Gething	150		
Sunburst	150		
Moulton	150	All Other Zones	200

Where geological or other evidence supports areas larger or smaller than the standard area assignment, they would be used. For example, Falher pools may exceed 250 hectares and Devonian pools in the Zama area may be less than 200 hectares.

The Board believes that continued monitoring of small pool performance is necessary to confirm and refine small pool reserves in the future. The adjustments made to date are considered a first step in this process and should not be viewed as a final statement on small pool reserves. Further, the revisions made to shut-in pools may not result in more accurate reserves for individual pools but should provide a more reliable total for small shut-in reserves in the zone.

A paper (No. 89-40-19) describing the Board's review and its findings will be presented at the 40th Annual Technical Meeting of the Petroleum Society of CIM in May 1989.

4.3 RESERVES OF GAS CONTAINING HYDROGEN SULPHIDE

Some 1611 gas pools in the province contain at least some hydrogen sulphide and may be classed as "sour". The distribution of established reserves of sweet and sour gas is shown below:

	Raw Gas		**Marketable Gas**		
Type of Gas	**Initial Volume in Place**	**Initial Producible**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Established Reserves**
	10^6 m^3				
Sweet					
Associated	339 943	273 033	378 066	195 550	182 516
Solution	429 125	194 679			
Non-associated	2 414 479	1 745 211	1 621 722	636 584	985 188
Subtotal	3 183 547	2 212 923	1 999 838	832 134	1 167 704
Sour					
Associated	257 725	204 674	229 888	132 105	97 783
Solution	232 059	137 801			
Non-associated	1 568 189	1 184 608	861 545	499 298	362 247
Subtotal	2 057 973	1 527 083	1 091 433	631 403	460 030
Total	5 241 520	3 740 006	3 091 271	1 463 537	1 627 734
	(186 041)[a]	(132 747)[a]	(109 721)[a]	(51 946)[a]	(57 774)[a]

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

The distribution of marketed gas production by hydrogen sulphide content in raw gas is shown below:

H_2S Content in Raw Gas	1988 Cumulative Marketed Production		1988 Annual Marketed Production	
mole percentage	10^6 m^3	percentage of total	10^6 m^3	percentage of total
0.00	832 134	56.86	63 383	71.56
0.00-1.99	224 490	15.34	8 630	9.74
2.00-9.99	237 528	16.23	9 231	10.42
10.00-19.99	97 719	6.67	3 998	4.52
20.00-29.99	19 598	1.34	1 179	1.33
30.00 or more	52 068	3.56	2 150	2.43
Total	1 463 537	100.00	88 571	100.00

Sulphur reserves are discussed in Chapter 7.

4.4 DISTRIBUTION OF GAS RESERVES BY POOL SIZE

The distribution of initial established reserves of marketable gas among pools of different size ranges is shown below. For the purposes of this table, where gas production from two or more pools is commingled in the wellbore, the pools are considered as one pool, the SE Alta Gas System (MU) is considered on a field basis, and associated and solution gas reserves in a pool have been combined.

Reserve Range	Pools		Initial Established Reserves	
10^6 m^3	number	percentage of total	10^6 m^3	percentage of total
3000 or more	145	0.7	1 677 344	54.2
1500-2999	92	0.4	187 941	6.1
300-1499	858	4.1	502 907	16.3
1-299	19 853	94.8	723 079	23.4
Total	20 948	100.0	3 091 271 (109 721)[a]	100.0

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[a] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

4.5 GROWTH OF MARKETABLE GAS RESERVES

The addition of 65 billion cubic metres to the initial established reserves during 1988 resulted partly from 14 billion cubic metres from new discoveries made during the year. The remaining 51 billion cubic metres were attributed to development drilling and the reassessment of previously discovered reserves and reserves discovered before 1988 but first recognized by the Board in 1988. The quantity of reserves added in 1988 was the highest amount since 1982 and is only slightly below the annual average for the last decade, but is about one-half of the average annual rate of the strong growth period for 1973 to 1982.

The reserve growth rate is more fully discussed in Chapter 8.

The pools for which initial recoverable marketable gas reserves were revised by more than 1000 million cubic metres in 1988 are listed in Table 4-1. The revisions occurred primarily as a result of detailed reviews of the reserves of these pools by operators and Board staff.

4.6 RESERVES OF POOLS CALCULATED ON AN ENERGY BASIS

Reserves of major retrograde condensate pools are tabulated on both an energy and a volumetric basis. Table 4-2 lists the initial energy in place, the recovery factor and surface loss factor (both on an energy basis), and the initial marketable energy for each pool. The table also lists raw- and marketable-gas heating values used to convert from a volumetric to an energy basis. The volumetric reserves of these pools are included in Table 4-5, but with recovery factors and surface loss factors deleted.

4.7 RESERVES OF ETHANE AND NATURAL GAS LIQUIDS INCLUDED IN GAS RESERVES

The remaining established reserves of natural gas discussed in Section 4.1 are determined at the field gate. A portion of the ethane and natural gas liquids they contain enter trunk line systems and will be extracted downstream at reprocessing plants. If these quantities which will be extracted are deducted from the remaining established reserves of marketable gas, the gas reserves and the thermal energy content would be reduced from 1628 billion to 1574 billion cubic metres and from 62.6 to 58.3 exajoules, respectively, as shown at the end of Table 4-5.

Reserves of ethane and natural gas liquids are discussed in more detail in Chapters 5 and 6, respectively.

4.8 DISCUSSION OF RESERVES TABLE 4-5

The established reserves of marketable gas have been estimated, having regard for information presented by the industry in submissions and studies by the Board staff.

The established reserves of gas are listed in Table 4-5 alphabetically by strike area. Strike areas where no field has been designated by the Board are identified by "SA" immediately following the name. The approximate location of the strike area is also given. The data presented are condensed from the gas reserve system data file[1]. Pools having initial marketable gas reserves greater than or equal to 300 million cubic metres are listed individually. Pools having reserves less than 300 million cubic metres are grouped within each field or area and presented as a total. The total reserve in a field or area is shown as the last entry.

Where the established reserve for a pool is based on material-balance or production-decline calculations, the reservoir factors last established for the pool for volumetric calculations have been retained for informational purposes.

Where production from two or more pools is commingled before measurement, the initial reserve estimate for each pool is shown, if available, together with the total reserve estimate for the pools. Production is subtracted from the sum of the initial established marketable reserves of the pools to obtain the remaining established marketable reserves. Similarly, because production of associated- and solution-gas reserves for a pool has not been determined separately, the combined net cumulative production is subtracted from the sum of the initial established marketable reserves of associated and solution gas. Therefore, Table 4-5 shows initial reserves by category but includes remaining associated- and solution-gas reserves only on a combined basis.

Gas reserves in communication with crude bitumen have been classified as non-associated reserves in this report.

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[1] The Board maintains a computer file of detailed reserves information for each pool in Alberta containing gas. The non-confidential portion of the file for year-end 1988 is available in the following forms:

(a) Magnetic computer tape of the gas reserve file.

(b) A COM-microfiche publication of gas reserves and reserve factors.

The amount of marketable gas produced from a pool is determined by adjusting the cumulative raw gas production from the pool for the estimated surface loss. Where gas has been injected for the enhanced recovery of oil, cycling of gas pools, and gas storage, the volumes of injected gas are included in the remaining established reserves of marketable gas (column 6) of the respective pools. The volumes credited to the pools have been adjusted to reflect projected losses in the reservoir and in handling and processing.

The marketed gas production for 1988 was 88.6 billion cubic metres. It is emphasized that because changes due to errors or to amendments to production reports have been made to the previously reported cumulative raw gas production for some pools, and because of the adjustments made to the injected gas volumes discussed above, net production volumes for any year should not be calculated from cumulative numbers appearing in this and previous reports. (The actual net production of marketable gas is reported in the Board's publication ERCB ST 89-17, "Alberta Oil and Gas Industry—Annual Statistics" and for 1988 was 82.0 billion cubic metres.)

The major purchasers of gas from particular fields are shown in column 20. This information has been updated to year-end 1987 based on the lands under contract data provided to the Board by those purchasers.

4.9 OTHER MATTERS

A summary of the distribution of established reserves of gas by geological period is shown in Table 4-3.

Pools that are common to more than one designated field and those pools whose production is commingled with such common pools are termed "multi-field pools". The reserve for each designated pool in a multi-field pool is shown under the designated field in Table 4-5. A list of pools contained in each multi-field pool, the individual initial established reserves, and the total initial established reserves for the multi-field pool are shown in Table 4-4.

Reserves in this report have been classified as within or beyond economic reach using a simple partially computerized procedure adopted by the Board in 1979. The Board estimates the reserves classified as beyond economic reach to be 62 billion cubic metres at 31 December 1988.

The map in the back pocket of this report shows the locations of Board-designated fields as at 31 December 1988.

TABLE 4-1 MAJOR GAS RESERVE CHANGES 1988

Pool	1 Initial Established Reserves 1988 10^6 m^3	2 Initial Established Reserves Change	3 Main Reasons for Change
Bonnie Glen D-3 A (Associated & Solution)	18 685	− 2 890	Re-evaluation of surface loss factor
Caroline Beaverhill Lake A	21 000	+ 5 000	Development
Clearwater Rundle A	5 500	+ 5 068	Development
Hanlan Beaverhill Lake A	24 000	+ 1 000	Re-evaluation of initial volume in place
Leismer Clearwater A	15 000	+ 7 020	Re-evaluation of initial volume in place and recovery factor
Liege Leduc A	1 700	+ 1 075	Re-evaluation of initial volume in place and recovery factor
Sinclair Doig A	10 000	− 1 200	Re-evaluation of initial volume in place and recovery factor
Sugden Viking A	2 560	− 1 600	Re-evaluation of recovery factor
Swan Hills South Beaverhill Lake A & B (Solution)	6 336	+ 1 287	Re-evaluation of recovery factor
Teepee Wabamun C	356	− 1 434	Re-evaluation of recovery factor
Waterton Rundle C	2 400	− 1 600	Re-evaluation of initial volume in place and recovery and surface loss factors
Total		+11 726	

TABLE 4-2 RESERVES OF POOLS CALCULATED ON AN ENERGY BASIS
As at 31 December 1988

Pool	1 Raw Gas Initial Volume in Place	2 Raw Gas Gross Heating Value	3 Initial Energy in Place	4 Recovery Factor	5 Fuel & Shrinkage (Surface Loss Factor)	6 Initial Marketable Gas Energy	7 Marketable Gas Gross Heating Value	8 Initial Established Reserves of Marketable Gas
	10^6 m^3	MJ/m^3	10^6 MJ	fraction	fraction	10^6 MJ	MJ/m^3	10^6 m^3
Brazeau River Nisku J	707	74.44	52 603	0.75	0.50	19 726	41.01	481
Brazeau River Nisku K	812	72.19	58 643	0.75	0.60	17 593	41.01	429
Brazeau River Nisku M	1 489	76.22	113 463	0.75	0.60	34 039	41.36	823
Brazeau River Nisku P	9 408	61.23	576 062	0.74	0.65	149 200	40.00	3 730
Caroline Beaverhill Lake A	61 152	49.95	3 054 542	0.77	0.62	893 759	42.56	21 000
Carson Creek Beaverhill Lake B	10 941	55.68	609 198	0.90	0.39	334 450	41.65	8 030
Carstairs Elkton A	29 877	40.30	1 204 023	0.94	0.23	871 472	40.16	21 700
Harmattan East Rundle	36 252	50.26	1 822 003	0.85	0.26	1 146 040	40.93	28 000
Harmattan-Elkton Rundle C	31 326	46.96	1 471 056	0.90	0.27	966 484	41.48	23 300
Kakwa A Cardium A	1 120	55.40	62 069	0.85	0.32	35 876	42.71	840
Kaybob Beaverhill Lake C	2 326	63.77	148 357	0.85	0.42	73 140	41.09	1 780
Kaybob South Beaverhill Lake A	104 424	47.90	5 001 905	0.70	0.58	1 470 560	40.40	36 400
Ricinus Cardium A	8 316	58.59	487 221	0.85	0.32	281 614	40.52	6 950
Ricinus Cardium B	547	56.87	31 108	0.85	0.48	13 750	40.44	340
Valhalla Halfway B	5 401	53.89	291 045	0.80	0.33	156 000	40.00	3 900
Waterton Rundle-Wabamun A	79 529	48.74[a]	3 876 243	0.78	0.36	1 935 025	39.25	49 300
Wembley Halfway B	5 955	53.89	320 896	0.80	0.33	172 000	40.00	4 300

TABLE 4-2 (continued)

Pool	1 Raw Gas Initial Volume in Place 10^6 m^3	2 Raw Gas Gross Heating Value MJ/m^3	3 Initial Energy in Place 10^6 MJ	4 Recovery Factor fraction	5 Fuel & Shrinkage (Surface Loss Factor) fraction	6 Initial Marketable Gas Energy 10^6 MJ	7 Marketable Gas Gross Heating Value MJ/m^3	8 Initial Established Reserves of Marketable Gas 10^6 m^3
Westerose								
D-3	3 597	51.55	185 422	0.90	0.25	125 160	41.72	3 000
Westpem								
Nisku E	1 160	66.05	76 654	0.90	0.54	31 735	44.76	709
Windfall								
D-3 A	21 288	53.42	1 137 217	0.60	0.53	320 695	42.42	7 560

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[a] Producible raw gas gross heating value is 40.65 MJ/m^3.

TABLE 4-3 DISTRIBUTION OF ESTABLISHED RESERVES OF GAS BY GEOLOGICAL PERIOD
As at 31 December 1988

	1	2	3	4	5	6	7	8
	Raw Gas	**Marketable Gas**			**Raw Gas**	**Marketable Gas**		
Geological Period	**Initial Volume in Place**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Energy Content**	**Initial Volume in Place**	**Initial Established Reserves**	**Net Cumulative Production**	**Remaining Energy Content**
	10^6 m^3			TJ	Percentage of total			
Tertiary								
Tertiary	116	68	2	2 396				
Subtotal	116	68	2	2 396				
Upper Cretaceous								
Belly River	87 340	52 215	19 061	1 241 521	1.66	1.68	1.30	1.98
Milk River & Med Hat	422 829	278 537	130 998	5 380 288	8.06	9.01	8.95	8.59
Cardium	244 369	82 870	31 510	2 082 397	4.66	2.68	2.15	3.32
Second White Specks	4 173	2 818	403	90 699	0.07	0.09	0.02	0.14
Other	26 608	17 744	4 872	509 102	0.50	0.57	0.33	0.81
Subtotal	785 319	434 184	186 844	9 304 007	14.98	14.04	12.76	14.86
Lower Cretaceous								
Viking	382 952	265 718	148 361	4 388 175	7.30	8.59	10.13	7.01
Basal Colorado	39 330	31 515	26 706	177 712	0.75	1.01	1.82	0.28
Mannville	1 291 096	858 745	326 442	20 399 126	24.63	27.77	22.30	32.58
Other	44 155	29 476	13 388	620 950	0.84	0.95	0.91	0.99
Subtotal	1 757 533	1 185 454	514 897	25 585 963	33.53	38.34	35.18	40.87
Jurassic								
Jurassic	39 218	24 674	7 597	676 694	0.74	0.79	0.51	1.08
Other	71 998	46 725	15 443	1 230 939	1.37	1.51	1.05	1.96
Subtotal	111 216	71 399	23 040	1 907 633	2.12	2.30	1.57	3.04
Triassic								
Triassic	47 850	30 519	6 989	926 485	0.91	0.98	0.47	1.48
Other	47 152	31 160	3 433	1 078 395	0.89	1.00	0.23	1.72
Subtotal	95 002	61 679	10 422	2 004 880	1.81	1.99	0.71	3.20
Permian								
Belloy	7 114	4 436	1 079	120 664	0.13	0.14	0.07	0.19
Other	576	395	—	15 178	0.01	0.01	—	0.02
Subtotal	7 690	4 831	1 079	135 842	0.14	0.15	0.07	0.21
Mississippian								
Rundle	962 114	584 816	363 798	8 681 805	18.35	18.91	24.85	13.86
Other	76 884	52 835	27 485	974 447	1.46	1.70	1.87	1.55
Subtotal	1 038 998	637 651	391 283	9 656 252	19.82	20.62	26.73	15.42

TABLE 4-3 (continued)

	1	2	3	4	5	6	7	8
	Raw Gas	Marketable Gas			Raw Gas	Marketable Gas		
Geological Period	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content	Initial Volume in Place	Initial Established Reserves	Net Cumulative Production	Remaining Energy Content
	10⁶ m³			TJ	Percentage of total			
Upper Devonian								
Wabamun	211 341	91 653	51 694	1 490 519	4.03	2.96	3.53	2.38
Nisku	88 716	42 762	14 071	1 138 070	1.69	1.38	0.96	1.81
Leduc	465 004	237 592	164 376	2 850 087	8.87	7.68	11.23	4.55
Beaverhill Lake	392 980	168 517	62 852	4 211 303	7.49	5.45	4.29	6.72
Other	83 661	42 257	31 050	422 074	1.59	1.36	2.12	0.67
Subtotal	1 241 702	582 781	324 043	10 112 053	23.68	18.85	22.14	16.15
Middle Devonian								
Sulphur Point	12 353	8 248	829	283 011	0.23	0.26	0.05	0.45
Muskeg	3 450	1 820	302	60 649	0.06	0.05	0.02	0.09
Keg River	46 549	22 248	5 535	682 530	0.88	0.71	0.37	1.09
Other	23 212	9 473	5 261	155 718	0.44	0.30	0.35	0.24
Subtotal	85 564	41 789	11 927	1 181 908	1.63	1.35	0.81	1.88
Beyond economic reach	103 469	61 910	—	2 343 408	1.97	2.00	—	3.74
Confidential[a]	14 911	9 525	—	362 135	0.28	0.30	—	0.57
Total	5 241 520	3 091 271	1 463 537	62 596 477	100.00[b]	100.00[b]	100.00[b]	100.00[b]
	(186 041)[c]	(109 721)[c]		(59 355)[d]				

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[a] Some “confidential” reserves included in “beyond economic reach” category.

[b] Discrepancies are due to rounding.

[c] Imperial equivalent in billions of cubic feet at 14.65 pounds per square inch absolute and 60 degrees Fahrenheit.

[d] Imperial equivalent in billions of cubic feet of 1000 British thermal units per cubic foot of gas.

TABLE 4-4 RESERVES OF MULTI-FIELD POOLS
As at 31 December 1988

Multi-field Pool Field and Pool	Initial Established Reserves 10⁶ m³
Edmonton Pool No. 1	
Bashaw Edmonton D	32
Nevis Edmonton D	342
Total	374
Belly River Pool No. 1	
Bashaw Belly River C	936
Bashaw Belly River G	43
Bashaw Belly River H	164
Bashaw Belly River L	20
Bashaw Belly River Q	15
Nevis Belly River C	929
Total	2 107
Belly River Pool No. 2	
Bruce Belly River J	346
Holmberg Belly River J	83
Total	429
Belly River Pool No. 3	
Fenn-Big Valley Belly River J	307
Gadsby Belly River J	1 570
Total	1 877
Milk River Pool No. 1	
Alderson Milk River A	13 400
Atlee-Buffalo Milk River A	5 500
Bantry Milk River A	5 980
Bindloss Milk River A	1 010
Bow Island Milk River A	67
Brooks Milk River A	295
Cassils Milk River A	1 650
Cessford Milk River A	2 780
Connorsville Milk River A	676
Countess Milk River A	5 890
Hussar Belly River C	30
Hussar Milk River A	128
Jenner Milk River A	3 510
Johnson Milk River A	356
Kitsim Milk River A	125
Leckie Milk River A	365
Matziwin Milk River A	1 880
Medicine Hat Milk River A	30 600
Medicine Hat Second White Specks D[a]	1 400
Medicine Hat Second White Specks K[a]	4
Medicine Hat Second White Specks L[a]	10
Medicine Hat Second White Specks P[b]	5
Newell Milk River A	957
Princess Milk River A	7 770
Suffield Milk River A	20 700
Verger Milk River A	5 230
Wintering Hills Milk River A	1 290
Total	111 608
Medicine Hat Pool No. 1	
Alderson Medicine Hat A	2 800
Atlee-Buffalo Medicine Hat A	2 470
Bantry Medicine Hat A	3 410
Bassano Medicine Hat A	418
Berry Medicine Hat A	53
Bindloss Medicine Hat A	372
Blackfoot Medicine Hat A	140
Brooks Medicine Hat A	44
Cassils Medicine Hat A	840
Cessford Medicine Hat A	7 250
Connorsville Medicine Hat A	1 920
Countess Medicine Hat A	7 670
Estuary Medicine Hat A	136
Eyremore Medicine Hat A	118
Gleichen Medicine Hat A	580
Hussar Medicine Hat A	2 950
Jenner Medicine Hat A	1 300
Johnson Medicine Hat A	12
Kitsim Medicine Hat A	270
Lathom Medicine Hat A	245
Leckie Medicine Hat A	158
Matziwin Medicine Hat A	1 430
Medicine Hat Medicine Hat A	50 000
Mossleigh Medicine Hat A	28
Newell Medicine Hat A	71
Princess Medicine Hat A	4 350
Seiu Lake Medicine Hat A	581
Shouldice Medicine Hat A	640
Suffield Medicine Hat A	11 200
Verger Medicine Hat A	6 000
Wayne-Rosedale Medicine Hat A	1 130
Wintering Hills Medicine Hat A	3 980
Total	112 566

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Medicine Hat Pool No. 3	
Alderson Medicine Hat C	670
Atlee-Buffalo Medicine Hat C	11
Bantry Medicine Hat C	915
Bow Island Medicine Hat C	12
Brooks Medicine Hat C	26
Cassils Medicine Hat C	100
Cessford Medicine Hat C	221
Countess Medicine Hat C	104
Eyremore Medicine Hat C	29
Jenner Medicine Hat C	36
Leckie Medicine Hat C	12
Matziwin Medicine Hat C	33
Medicine Hat Medicine Hat C	2 600
Medicine Hat Second White Specks J[c]	314
Medicine Hat Second White Specks M[d]	9
Medicine Hat Lower Colorado Sand A[c]	250
Newell Medicine Hat C	54
Princess Medicine Hat C	357
Suffield Medicine Hat C	844
Verger Medicine Hat C	134
Total	6 731
Medicine Hat Pool No. 4	
Alderson Medicine Hat D	194
Atlee-Buffalo Medicine Hat D	22
Bantry Medicine Hat D	82
Bindloss Medicine Hat D	3
Brooks Medicine Hat D	4
Cessford Medicine Hat D	545
Countess Medicine Hat D	60
Jenner Medicine Hat D	70
Matziwin Medicine Hat D	101
Medicine Hat Medicine Hat D	2 390
Newell Medicine Hat D	18
Princess Medicine Hat D	253
Suffield Medicine Hat D	1 000
Verger Medicine Hat D	240
Total	4 982
Second White Specks Pool No. 1	
Alderson Second White Specks A	12 500
Atlee-Buffalo Second White Specks A	47
Bantry Second White Specks A	1 780
Bow Island Second White Specks A	830
Bow Island Second White Specks C[e]	6
Cessford Second White Specks A	410
Countess Second White Specks A	536
Jenner Second White Specks A	1 130
Johnson Second White Specks A	98
Matziwin Second White Specks A	60
Medicine Hat Second White Specks A	5 200
Princess Second White Specks A	5 530
Suffield Second White Specks A	11 300
Verger Second White Specks A	2 590
Total	42 017
Bow Island Pool No. 1	
Medicine Hat Bow Island C	332
Suffield Bow Island C	311
Total	643
Viking Pool No. 1	
Fairydell-Bon Accord Upper Viking A	1 000
Fairydell-Bon Accord Middle Viking A	2 800
Fairydell-Bon Accord Middle Viking B	511
Peavey Upper Viking A	12
Redwater Upper Viking A	1 940
Redwater Middle Viking A	601
Redwater Lower Viking A	299
Westlock Middle Viking B	323
Total	7 486
Viking Pool No. 2	
Beaverhill Lake Upper Viking A & B, Middle Viking A, and Lower Viking A	4 800
Bellshill Lake Upper Viking A	137
Birch Upper and Middle Viking A	42
Bruce Upper Viking A & F, Middle Viking A & B, and Upper Mannville Z	3 910
Dinant Upper Viking A	69

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Fort Saskatchewan Upper and Middle Viking A	7 500
Holmberg Upper Viking A	87
Killam Upper and Middle Viking A	1 400
Killam North Upper and Middle Viking A, Basal Mannville C & U, and Nisku A	1 135
Mannville Upper and Middle Viking A	213
Sedgewick Upper Viking A	178
Viking-Kinsella Upper and Middle Viking A and Upper Mannville YY	29 000
Total	48 471
Viking Pool No. 3	
Carbon Viking D	1 400
Ghost Pine Viking D	208
Total	1 608
Viking Pool No. 4	
Fenn-Big Valley Viking B	590
Fenn West Viking B	206
Lousana Viking B	12
Total	808
Viking Pool No. 5	
Hudson Viking A	687
Sedalia Viking A	241
Sedalia Viking F	4
Sedalia Upper Mannville D	43
Sedalia Lower Mannville B	91
Total	1 066
Viking Pool No. 6	
Ashmont Viking A	448
Cache Viking A	895
Canard Viking A	152
Clay Viking A	432
Corrin Viking A	333
Craigend Viking A	3 600
Duvernay Viking A	661
Duvernay Viking M	23
Hairy Hill Viking A	314
Owlseye Viking A	65
Plain Viking A	18
St. Paul Viking A	200
Stry Viking A	185
Sugden Viking A	2 560
Therien Viking A	165
Ukalta Viking A	131
Whitford Viking A	451
Willingdon Viking A	202
Willingdon Viking B	4
Total	10 839
Viking Pool No. 7	
Inland Upper Viking C & E and Middle Viking F, G, & I	268
Royal Upper Viking C and Lower Viking A	43
Total	311
Viking Pool No. 10	
Goodridge Viking F	114
Jarvie Viking F	94
Westlock Viking F	251
Total	459
Viking Pool No. 11	
Jarvie Viking G	65
Westlock Viking G	112
Total	177
Viking Pool No. 12	
Atlee-Buffalo Viking A	17
Suffield Viking A	32
Total	49
Viking Pool No. 13	
Chigwell Viking G	95
Nelson Viking G	164
Total	259
St. Edouard Pool No. 3	
Ukalta St. Edouard B	60
Whitford St. Edouard B	34
Total	94

TABLE 4-4 (continued)

Multi-field Pool Field and Pool	Initial Established Reserves 10^6 m^3
Glauconitic Pool No. 3	
Bonnie Glen Glauconitic A	732
Ferrybank Glauconitic A	783
Total	1 515
Glauconitic Pool No. 4	
Cessford Glauconitic T	248
Cessford Mannville HH	774
Wayne-Rosedale Glauconitic T	1 540
Total	2 562
Glauconitic Pool No. 5	
Bigoray Glauconitic I	923
Pembina Glauconitic I	2 550
Pembina Lobstick Glauconitic D	91
Pembina Ostracod C	131
Total	3 695
Glauconitic Pool No. 6	
Countess Glauconitic III	1 290
Countess Upper Mannville LL	48
Hussar Glauconitic III	409
Wintering Hills Glauconitic III	57
Total	1 804
Bluesky Pool No. 1	
Boyer Bluesky A & Gething A	11 387
Haro Bluesky A	4 958
Rainbow Bluesky A	4 637
Rainbow South Bluesky A	137
Sousa Bluesky A	928
Steen Bluesky A	376
Virgo Bluesky A	320
Total	22 743
Bluesky-Detrital-Debolt Pool No. 1	
Cranberry Bluesky-Detrital-Debolt A	1 720
Hotchkiss Bluesky-Detrital-Debolt A	2 870
Total	4 590
Gething Pool No. 1	
Fox Creek Gething D	118
Fox Creek Gething H	4 270
Kaybob South Gething H	1 330
Total	5 718
Ellerslie Pool No. 1	
Connorsville Glauconitic A	232
Connorsville Glauconitic B	22
Connorsville Glauconitic C	168
Connorsville Glauconitic E	140
Connorsville Glauconitic I	22
Connorsville Ellerslie A	2 750
Wintering Hills Ellerslie A	1 530
Total	4 864
Cadomin Pool No. 1	
Elmworth Cadomin A	4 730
Sinclair Cadomin A	2 750
Wapiti Cadomin A	6 000
Total	13 480
Halfway Pool No. 1	
Valhalla Halfway B	3 900
Wembley Halfway B	6 215
Total	10 115
Banff Pool No. 1	
Haro Banff E	66
Rainbow Banff E	13
Rainbow South Banff E	59
Total	138

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[a] Also commingled with the Medicine Hat Medicine Hat A, C, and D pools.

[b] Also commingled with the Medicine Hat Medicine Hat C and D and Second White Specks A pools.

[c] Also commingled with the Medicine Hat Medicine Hat D Pool.

[d] Also commingled with the Medicine Hat Medicine Hat D and Medicine Hat Second White Specks A pools.

[e] Also commingled with the Bow Island Medicine Hat A, C, and D pools.

ERCB

Reserves of Gas and Basic Data

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
ABEE 062-22W4									
TOTAL-ABEE	2 383			1 495	615	880		33 076	
ACADIA 026-04W4									
TOTAL-ACADIA	220			153	3	150		5 546	
ACHESON 052-26W4									
D-3 A SOLN	2 669	0.68	0.30	1 271	1 114	157	43	6 815	
OTHER	2 013			1 184	309	875		35 610	
TOTAL-ACHESON	4 682			2 455	1 423	1 032		42 425	
ACHESON EAST 052-25W4									
TOTAL-ACHESON EAST	675			303	106	197		7 537	
ACME 026-26W4									
TOTAL-ACME	331			214		214		8 117	
ADEN 001-09W4									
RUNDLE A	958	0.85	0.15	692	351	341	37	12 648	711
OTHER	563			376	225	151		5 601	
TOTAL-ADEN	1 521			1 068	576	492		18 249	
AERIAL 029-18W4									
TOTAL-AERIAL	832			488	86	402		15 310	
AETNA (SA) 002-25W4									
TOTAL-AETNA	136			98		98		3 700	
AKUINU 066-03W5									
TOTAL-AKUINU	545			378	144	234		8 781	
ALBERS 042-07W4									
TOTAL-ALBERS	133			90		90		3 208	
ALBRIGHT 072-09W6									
TOTAL-ALBRIGHT	924			652		652		25 400	
ALCOMDALE 057-26W4									
TOTAL-ALCOMDALE	86			53	5	48		1 809	
ALDER 045-07W5									
TOTAL-ALDER	179			121		121		4 898	
ALDERSON 015-11W4									
MILK RIVER A	20 150	0.70	0.05	13 400			36		157 212
MEDICINE HAT A	4 124	0.70	0.03	2 800			36		67 799
MEDICINE HAT C	1 382	0.50	0.03	670			36		57 415
MEDICINE HAT D	400	0.50	0.03	194			36		16 618
SECOND WHITE SPECKS A	17 544	0.75	0.05	12 500			36		144 504
SE ALTA GAS SYS(MU) TOTAL	43 600	0.70	0.05	29 564	15 319	14 245	36	519 515	
UPPER MANNVILLE M	442	0.85	0.10	338	19	319	36	11 382	440
UPPER MANNVILLE LLL	441	0.85	0.10	338	128	210	36	7 577	310
OTHER	7 566			5 075	1 070	4 005		146 958	
TOTAL-ALDERSON	52 049			35 315	16 536	18 779		685 432	
ALEXANDER 056-27W4									
BASAL QUARTZ A	4 299	0.94	0.03	3 920	3 902	18	39	694	4 698
OTHER	579			370	93	277		10 621	
TOTAL-ALEXANDER	4 878			4 290	3 995	295		11 315	
ALEXIS 055-05W5									
BANFF A SOLN	387	0.65	0.40	151[b]			39		
BANFF A ASSOC	306	0.85	0.10	234[b]	144[b]	241	39	9 462	320
OTHER	310			208	3	205		7 845	
TOTAL-ALEXIS	1 003			593	147	446		17 307	
ALIX 040-23W4									
TOTAL-ALIX	707			347	110	237		8 932	
ALKALI 024-05W4									
TOTAL-ALKALI	77			55		55		2 011	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.88		1950	1986	CWNGNUL NORCEN
10.10	0.103	0.80	6 850	24	0.877	0.58	868.6	1960	1987	CMG MATERIAL BALANCE
5.05	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.41	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.61	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.61	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.4
1.57	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1988	CWNGNUL KANNGAZ TCPL CTYMEDH
6.00	0.200	0.65	11 270	33	0.814	0.66	1 003.3	1971	1983	TCPL
6.64	0.230	0.90	9 200	31	0.832	0.66	990.3	1969	1987	
3.11	0.220	0.80	9 210	45	0.850	0.63	1 168.1	1954	1986	NORCEN MATERIAL BALANCE
						0.65		1968	1987	PANALTA CONCURRENT PRODUCTION
9.34	0.131	0.65	11 410	52	0.831	0.65	1 351.5	1968	1987	PANALTA CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
ALLIANCE 040-13W4									
TOTAL-ALLIANCE	100			63		63		2 283	
ALSASK 027-01W4									
TOTAL-ALSASK	624			436	114	322		11 828	
ALSIKE 049-02W5									
TOTAL-ALSIKE	13			10		10		371	
ALTARIO 035-01W4									
TOTAL-ALTARIO	721			492		492		18 119	
AMADOU 073-20W4									
TOTAL-AMADOU	97			57		57		2 082	
AMBER 115-07W6									
TOTAL-AMBER	2 363			1 436	199	1 237		47 680	
AMELIA (SA) 010-27W4									
TOTAL-AMELIA	26			16		16		621	
AMIGO 119-07W6									
TOTAL-AMIGO	1 678			1 030		1 030		40 651	
ANATOLE 031-03W4									
TOTAL-ANATOLE	149			96	2	94		3 565	
ANGLING 060-02W4									
GRAND RAPIDS B		0.65	0.05				36		3 223
GRAND RAPIDS C		0.65	0.05				37		200
GRAND RAPIDS D		0.60	0.05				37		150
GRAND RAPIDS E		0.55	0.05				37		128
SPARKY A		0.65	0.05				37		200
GR RAP BCDE & SPKY A TOTAL	907	0.75	0.05	646	439	207	37	7 632	
OTHER	81			49	15	34		1 241	
TOTAL-ANGLING	988			695	454	241		8 873	
ANGLO 019-18W4									
TOTAL-ANGLO	301			214	45	169		5 999	
ANKERTON 044-15W4									
TOTAL-ANKERTON	569			364		364		13 324	
ANNA (SA) 120-10W6									
TOTAL-ANNA	24			14		14		531	
ANNE (SA) 003-21W4									
TOTAL-ANNE	81			58		58		1 895	
ANSELL 052-20W5									
CARDIUM A	346	0.20	0.10	62			41		400
CARDIUM B	126	0.60	0.15	65			42		200
CARDIUM C	73	0.60	0.10	40			40		200
CARDIUM FF	8 555	0.20	0.10	1 540			41		10 595
CARDIUM A,B,C & FF TOTAL	9 100	0.20	0.10	1 707	234	1 473	41	60 113	
VIKING A	389	0.65	0.10	228			39		714
CADOMIN B	701	0.65	0.10	410			38		1 019
VIKING A & CADOMIN B TOTAL	1 090	0.65	0.10	638	10	628	39	24 184	
CADOMIN A	511	0.85	0.10	391	3	388	40	15 431	646
CADOMIN C	532	0.85	0.05	429	5	424	39	16 714	673
ELKTON 33-051-19	623	0.85	0.15	451		451	37	16 628	440
OTHER	2 625			1 799	102	1 697		66 847	
TOTAL-ANSELL	14 481			5 415	354	5 061		199 917	
ANTE CREEK 065-24W5									
PEACE RIVER A	604	0.80	0.05	459	134	325	39	12 782	1 632
BEAVERHILL LAKE SOLN	2 028	0.60	0.20	974	864	110	44	4 884	
OTHER	754			445	-45	490		20 478	
TOTAL-ANTE CREEK	3 386			1 878	953	925		38 144	
ANTE CREEK NORTH 067-23W5									
TOTAL-ANTE CREEK NORTH	1 258			894	3	891		34 626	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.79	0.285	0.70	2 460	12	0.949	0.58	327.3	1981	1988	PRODUCTION DECLINE
1.00	0.320	0.60	2 500	13	0.947	0.56	326.5	1982	1988	PRODUCTION DECLINE
1.10	0.310	0.55	2 450	15	0.949	0.56	368.8	1981	1988	PRODUCTION DECLINE
1.60	0.280	0.60	2 290	14	0.952	0.56	309.6	1982	1988	PRODUCTION DECLINE
1.00	0.310	0.50	2 600	13	0.945	0.56	340.7	1982	1988	PRODUCTION DECLINE
								1981	1988	
5.90	0.100	0.70	19 990	61	0.813	0.67	2 216.6	1981	1988	
4.70	0.090	0.75	19 770	77	0.812	0.74	2 147.8	1980	1988	
2.20	0.115	0.75	19 840	76	0.840	0.70	2 147.5	1986	1988	
4.84	0.113	0.75	19 840	74	0.826	0.71	2 160.1	1976	1987	
								1976	1987	KANNGAZ PANALTA TCPL
2.00	0.139	0.80	29 270	87	0.945	0.65	2 712.1	1976	1987	
5.27	0.085	0.75	25 370	104	0.934	0.69	3 045.1	1976	1987	
								1976	1987	
4.73	0.091	0.75	28 560	83	0.932	0.65	3 112.8	1974	1987	
4.80	0.099	0.75	28 780	107	0.971	0.62	2 981.1	1980	1987	KANNGAZ PANALTA TCPL
7.35	0.104	0.89	26 750	106	0.964	0.66	3 140.7	1953	1981	
2.24	0.188	0.70	12 130	54	0.840	0.62	1 673.0	1962	1985	TCPL
						0.86		1962	1988	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
ANTELOPE 030-01W4									
COLONY A	540	0.85	0.05	436	134	302	37	11 135	3 179
OTHER	1 473			802	294	508		18 860	
TOTAL-ANTELOPE	2 013			1 238	428	810		29 995	
ANTHONY (SA) 083-24W5									
TOTAL-ANTHONY	32			16		16		613	
ANTLER (SA) 048-24W5									
BLAIRMORE 31-048-23	839	0.90	0.10	680		680	37	25 310	150
PEKISKO 33-048-24	702	0.80	0.10	506		506	40	20 038	128
TOTAL-ANTLER	1 541			1 186		1 186		45 348	
APETOWUN (SA) 052-22W5									
NISKU 22-052-22	873	0.75	0.45	360		360	36	13 118	200
OTHER	184			124		124		4 671	
TOTAL-APETOWUN	1 057			484		484		17 789	
APHRODITES (SA) 014-01W5									
TOTAL-APHRODITES	317			242		242		10 500	
ARDENODE 026-25W4									
TOTAL-ARDENODE	72			48		48		1 767	
ARGUS (SA) 103-08W6									
TOTAL-ARGUS	53			32		32		1 159	
ARMADA 016-19W4									
TOTAL-ARMADA	921			622	227	395		14 506	
ARMISIE 052-25W4									
TOTAL-ARMISIE	221			91	23	68		2 773	
ARMITAGE 074-13W4									
TOTAL-ARMITAGE	366			204		204		7 469	
ARNESON 025-02W4									
TOTAL-ARNESON	359			250	56	194		7 087	
ARTLAND 044-02W4									
TOTAL-ARTLAND	273			183		183		6 667	
ARVILLA 058-27W4									
TOTAL-ARVILLA	349			226	16	210		7 953	
ASHMONT 060-11W4									
VIKING A	1 179	0.40	0.05	448		448	37	16 710	21 610
OTHER	938			598	206	392		14 692	
TOTAL-ASHMONT	2 117			1 046	206	840		31 402	
ASTOTIN 054-19W4									
TOTAL-ASTOTIN	435			265	108	157		5 771	
ATHABASCA 066-23W4									
GRAND RAPIDS B	663	0.80	0.05	504	262	242	38	9 271	2 155
OTHER	1 263			841	273	568		21 138	
TOTAL-ATHABASCA	1 926			1 345	535	810		30 409	
ATHABASCA EAST 066-22W4									
D-1 B	587	0.75	0.05	418	269	149	37	5 568	660
OTHER	1 585			1 039	464	575		21 557	
TOTAL-ATHABASCA EAST	2 172			1 457	733	724		27 125	
ATIM 054-26W4									
TOTAL-ATIM	52			42	42				
ATLEE-BUFFALO 021-06W4									
MILK RIVER A	8 270	0.70	0.05	5 500			36		70 290
MEDICINE HAT A	3 637	0.70	0.03	2 470			36		63 389
MEDICINE HAT C	22	0.50	0.03	11			36		1 053
MEDICINE HAT D	45	0.50	0.03	22			36		2 656

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.45	0.310	0.45	7 650	26	0.867	0.58	768.4	1957	1985	MIP
22.82	0.200	0.65	20 820	84	0.880	0.71	2 088.3	1977	1988	BER
30.84	0.090	0.80	33 270	108	1.006	0.64	4 015.2	1977	1982	BER TOP/BASE TVD
57.69	0.040	0.65	35 300	109	0.903	0.80	4 121.7	1981	1982	
1.03	0.253	0.50	3 890	15	0.917	0.58	420.1	1949	1988	MIP PANALTA PWGE TCPL PART OF VIK POOL NO.6
3.41	0.356	0.65	3 640	17	0.916	0.60	491.6	1952	1981	TCPL
8.77	0.176	0.50	3 720	30	0.935	0.56	605.8	1970	1988	TCPL PRODUCTION DECLINE
4.65	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.33	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.53	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.43	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
ATLEE-BUFFALO 021-06W4 (CONTINUED)									
SECOND WHITE SPECKS A	65	0.75	0.05	47			36		1 073
SE ALTA GAS SYS (MU) TOTAL	12 039	0.70	0.05	8 050	3 499	4 551	36	165 975	
VIKING H	811	0.85	0.05	655	554	101	36	3 605	11 442
OTHER	4 395			2 838	535	2 303		83 322	
TOTAL-ATLEE-BUFFALO	17 245			11 543	4 588	6 955		252 902	
ATMORE 067-17W4									
MCMURRAY A	700	0.80	0.05	532	160	372	37	13 794	10 229
MCMURRAY B		0.70	0.05				37		3 734
NISKU A		0.70	0.05				37		1 883
NISKU A & MCMURRAY B TOTAL	1 774	0.70	0.05	1 180	865	315	37	11 642	
OTHER	2 307			1 390	572	818		30 329	
TOTAL-ATMORE	4 781			3 102	1 597	1 505		55 765	
AUBURNDALE 047-06W4									
TOTAL-AUBURNDALE	1 029			655	322	333		12 109	
BADGER 016-18W4									
UPPER MANNVILLE E	732	0.95	0.10	626	46	580	38	22 005	150
OTHER	871			644	33	611		22 766	
TOTAL-BADGER	1 603			1 270	79	1 191		44 771	
BALSAM 082-10W6									
KISKATINAW A	952	0.85	0.05	769	305	464	37	17 363	1 086
OTHER	643			456	43	413		15 911	
TOTAL-BALSAM	1 595			1 225	348	877		33 274	
BANSHEE 050-22W5									
LEDUC 14-050-22	957	0.85	0.45	447		447	37	16 593	200
TOTAL-BANSHEE	957			447		447		16 593	
BANTRY 018-13W4									
MILK RIVER A	8 993	0.70	0.05	5 980			36		78 738
MEDICINE HAT A	5 021	0.70	0.03	3 410			36		71 404
MEDICINE HAT C	1 886	0.50	0.03	915			36		43 059
MEDICINE HAT D	170	0.50	0.03	82			36		6 948
SECOND WHITE SPECKS A	2 499	0.75	0.05	1 780			36		34 379
SE ALTA GAS SYS(MU) TOTAL	18 569	0.70	0.05	12 167	7 383	4 784	36	174 472	
VIKING U	491	0.75	0.05	350			38		4 074
VIKING V	39	0.75	0.05	28			38		200
VIKING W	23	0.75	0.05	16			38		200
BASAL COLORADO C	182	0.75	0.05	130			36		1 328
VIKING T	7	0.75	0.05	5			38		200
VIK TUVW & BSL COLO C TOTAL	742	0.75	0.05	529	296	233	37	8 668	
MANNVILLE A ASSOC	277	0.90	0.10	224[b]			37		488
MANNVILLE A SOLN	2 960	0.25	0.50	370[b]			37		
MANNVILLE A ASSOC	268	0.90	0.10	217[b]			37		613
MANNVILLE A ASSOC	16	0.90	0.10	13[b]			37		48
MANNVILLE A ASSOC	267	0.90	0.10	216[b]			37		530
MANNVILLE A ASSOC	10	0.90	0.10	8[b]			37		32
MANNVILLE A ASSOC	28	0.90	0.10	23[b]			37		128
MANNVILLE A ASSOC	29	0.90	0.10	23[b]			37		64
MANNVILLE A ASSOC	2	0.90	0.10	2[b]			37		32
MANNVILLE A ASSOC	7	0.90	0.10	5[b]			37		32
MANNVILLE A ASSOC	35	0.90	0.10	29[b]			37		68
MANNVILLE A ASSOC	8	0.90	0.10	6[b]			37		28
MANNVILLE A TOTAL	3 907	0.40	0.30	1 136[b]	615[b]	521	37	19 360	
OTHER	5 252			3 478	1 492	1 986		73 635	
TOTAL-BANTRY	28 470			17 310	9 786	7 524		276 135	
BAPTISTE 067-22W4									
MANNVILLE C	26	0.70	0.05	17			38		100
MANNVILLE G	672	0.80	0.05	511			39		3 477
MANNVILLE N	22	0.70	0.05	14			38		200
MANNVILLE O	30	0.70	0.05	20			38		200
MANNVILLE P	51	0.70	0.05	34			38		200
MANNVILLE C,G,N,O&P TOTAL	801	0.80	0.05	596	236	360	38	13 846	
WABAMUN C	932	0.75	0.05	664	155	509	38	19 500	2 002
WABAMUN E	1 243	0.70	0.05	827	677	150	37	5 604	1 549
OTHER	1 156			764	241	523		19 569	

10 AVERAGE PAY THICKNESS m	11 POROSIT frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.78	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL MIP PANALTA PROGAS TCPL
1.29	0.250	0.50	6 830	27	0.885	0.59	783.5	1955	1982	TCPL MATERIAL BALANCE
1.84	0.235	0.60	2 630	25	0.951	0.57	510.7	1968	1987	PANALTA PROGAS TCPL
1.66	0.273	0.55	2 840	20	0.945	0.56	520.7	1960	1987	MATERIAL BALANCE
6.57	0.158	0.65	2 860	25	0.948	0.56	507.9	1967	1987	MATERIAL BALANCE
								1960	1985	TCPL
12.80	0.310	0.90	11 920	35	0.805	0.63	1 098.6	1980	1985	PROGAS
5.41	0.129	0.80	17 200	77	0.890	0.60	1 866.7	1974	1986	TCPL
47.54	0.044	0.85	42 040	166	1.012	0.84	4 580.6	1977	1981	PANALTA
4.51	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.63	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.11	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.62	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.94	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL PANALTA TCPL
1.95	0.161	0.50	7 100	29	0.871	0.59	793.4	1973	1986	
2.47	0.140	0.70	7 380	27	0.863	0.59	814.4	1973	1988	
1.85	0.170	0.45	7 450	27	0.862	0.59	830.0	1973	1988	
1.13	0.200	0.65	8 550	30	0.859	0.61	881.5	1946	1986	
0.61	0.170	0.40	7 140	27	0.858	0.61	807.6	1973	1988	
								1946	1986	CWNGNUL TCPL
2.32	0.265	0.70	10 780	30	0.768	0.71	976.8	1948	1985	GPP
						0.71		1948	1985	GPP
1.79	0.265	0.70	10 780	30	0.768	0.71	980.0	1948	1988	
1.37	0.265	0.70	10 780	30	0.768	0.71	989.2	1948	1985	
2.03	0.265	0.70	10 910	30	0.765	0.72	992.7	1948	1985	
1.22	0.265	0.70	10 780	30	0.768	0.71	997.3	1948	1985	ASSIGNED WELL 16-15-018-13 W4M
0.91	0.265	0.70	10 780	30	0.768	0.71	993.1	1948	1985	ASSIGNED WELL 10-26-017-13 W4M
1.83	0.265	0.70	10 780	30	0.768	0.71	990.6	1948	1985	ASSIGNED WELL 12-34-017-12 W4M
0.30	0.260	0.70	10 780	30	0.768	0.71	989.2	1948	1985	ASSIGNED WELL 12-01-018-13 W4M
0.92	0.260	0.70	10 780	30	0.768	0.71	989.3	1948	1985	ASSIGNED WELL 01-02-018-13 W4M
2.06	0.269	0.70	10 960	30	0.766	0.71	997.3	1948	1985	
1.09	0.265	0.70	10 780	30	0.768	0.71	986.6	1948	1988	
								1948	1988	TCPL GPP
3.05	0.350	0.65	3 610	24	0.932	0.55	528.9	1966	1988	
3.23	0.280	0.60	3 450	23	0.931	0.57	424.3	1966	1982	
1.67	0.270	0.65	3 560	17	0.927	0.55	453.0	1966	1979	
1.83	0.330	0.65	3 570	17	0.927	0.55	456.8	1966	1979	
2.75	0.330	0.75	3 570	17	0.927	0.55	464.1	1966	1979	
								1966	1982	TCPL
9.31	0.190	0.75	3 480	29	0.934	0.59	601.1	1976	1982	TCPL
5.02	0.150	0.70	3 520	29	0.936	0.57	584.9	1959	1987	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m^3	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
BAPTISTE 067-22W4 (CONTINUED)									
TOTAL-BAPTISTE	4 132			2 851	1 309	1 542		58 519	
BARE (SA) 003-03W4									
TOTAL-BARE	55			42		42		1 554	
BARK (SA) 121-07W6									
TOTAL-BARK	265			180		180		6 428	
BARRHEAD 058-05W5									
TOTAL-BARRHEAD	1 053			716		716		27 284	
BARTMAN 025-09W4									
TOTAL-BARTMAN	200			143	13	130		4 823	
BASELINE 061-14W5									
TOTAL-BASELINE	15			10		10		325	
BASHAW 042-22W4									
BELLY RIVER C	1 518	0.65	0.05	936			37		17 600
BELLY RIVER G	69	0.65	0.05	43			37		787
BELLY RIVER H	266	0.65	0.05	164			37		3 331
BELLY RIVER L	33	0.65	0.05	20			38		250
BELLY RIVER Q	25	0.65	0.05	15			37		250
BELLY RIVER C,G,H,L&Q TOTAL	1 911	0.65	0.05	1 178	376	802	37	29 465	
D-3 A SOLN	261	0.65	0.15	145[b]			36		
D-3 A ASSOC	460	0.85	0.20	313[b]	274[b]	184	36	6 644	1 125
OTHER	4 992			3 044	1 009	2 035		76 082	
TOTAL-BASHAW	7 624			4 680	1 659	3 021		112 191	
BASING 048-20W5									
TURNER VALLEY 048-20	3 140	0.40	0.10	1 130		1 130	38	43 245	2 477
TURNER VALLEY 048-21	1 407	0.40	0.10	507		507	38	19 200	1 710
OTHER	393			249	79	170		6 544	
TOTAL-BASING	4 940			1 886	79	1 807		68 989	
BASSANO 021-18W4									
MEDICINE HAT A	616	0.70	0.03	418			36		501
SE ALTA GAS SYS (MU) TOTAL	616	0.70	0.05	418	1	417	36	15 208	
OTHER	1 771			1 206	480	726		26 909	
TOTAL-BASSANO	2 387			1 624	481	1 143		42 117	
BATTLE 046-20W4									
TOTAL-BATTLE	133			78		78		2 884	
BATTLE SOUTH 045-20W4									
TOTAL-BATTLE SOUTH	192			122	20	102		3 920	
BAXTER LAKE 047-05W4									
MANNVILLE B	502	0.85	0.05	406	343	63	34	2 113	917
OTHER	601			371	161	210		7 327	
TOTAL-BAXTER LAKE	1 103			777	504	273		9 440	
BEAR CANYON 082-12W6									
TOTAL-BEAR CANYON	355			257		257		9 970	
BEARHILL LAKE (SA) 045-26W4									
TOTAL-BEARHILL LAKE	89			59		59		2 145	
BEATON 088-02W6									
TOTAL-BEATON	1 273			841	476	365		13 471	
BEATTY LAKE (SA) 123-02W6									
TOTAL-BEATTY LAKE	171			111		111		4 146	
BEAUVALLON 053-10W4									
COLONY K	1 783	0.75	0.05	1 270	1 225	45	37	1 682	3 278
COLONY L	1 126	0.65	0.05	695	602	93	38	3 496	3 072
COLONY P	588	0.75	0.05	419	107	312	37	11 606	5 110
OTHER	2 719			1 818	655	1 163		42 833	
TOTAL-BEAUVALLON	6 216			4 202	2 589	1 613		59 617	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.94	0.250	0.40	2 020	22	0.961	0.57	491.1	1977	1988	PART OF BR POOL NO.1
1.68	0.274	0.45	4 100	25	0.927	0.56	618.4	1980	1985	PART OF BR POOL NO.1
1.79	0.258	0.40	4 220	27	0.926	0.56	650.8	1978	1986	PART OF BR POOL NO.1
3.00	0.250	0.40	4 300	27	0.924	0.55	645.3	1981	1988	PART OF BR POOL NO.1
2.50	0.230	0.40	4 140	21	0.922	0.56	619.5	1981	1988	PART OF BR POOL NO.1
								1977	1988	PANALTA TCPL PART OF BR POOL NO.1
						0.77		1951	1987	TCPL CONCURRENT PRODUCTION
5.22	0.054	0.85	16 060	60	0.804	0.77	1 754.7	1951	1987	TCPL CONCURRENT PRODUCTION
9.92	0.064	0.85	33 630	123	1.028	0.63	3 919.2	1975	1986	PANALTA TOP/BASE TVD
9.51	0.045	0.80	32 000	119	1.019	0.60	3 802.4	1978	1986	PANALTA TCPL TOP/BASE TVD
1.66	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	PANALTA TCPL KANNGAZ
2.60	0.262	0.65	4 560	24	0.922	0.61	702.5	1975	1988	PANALTA TCPL PRODUCTION DECLINE
4.56	0.280	0.75	4 260	21	0.917	0.57	564.4	1973	1985	CWNGNUL PANALTA TCPL MATERIAL BALANCE
3.98	0.284	0.75	3 780	19	0.924	0.57	533.1	1976	1988	PANALTA TCPL CWNGNUL MATERIAL BALANCE
1.82	0.280	0.60	3 560	17	0.927	0.57	482.9	1972	1985	PANALTA PROGAS TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
BEAVER CROSSING 062-01W4									
TOTAL-BEAVER CROSSING	115			63	35	28		1 009	
BEAVERHILL LAKE 052-19W4									
UPPER VIKING A		0.80	0.03				37		200
UPPER VIKING B		0.80	0.03				37		5 685
MIDDLE VIKING A		0.80	0.03				37		35 273
LOWER VIKING A		0.80	0.03				37		13 933
UVIK AB,MVIK A&LVIK A TOTAL	6 186	0.80	0.05	4 800	4 036	764	37	28 184	
OTHER	2 225			1 450	418	1 032		38 052	
TOTAL-BEAVERHILL LAKE	8 411			6 250	4 454	1 796		66 236	
BEAVERLODGE 072-10W6									
TOTAL-BEAVERLODGE	360			250		250		9 748	
BELLIS 059-15W4									
UPPER MANNVILLE B	942	0.80	0.05	716	598	118	38	4 431	4 387
UPPER MANNVILLE E		0.75	0.05				37		2 338
UPPER MANNVILLE F		0.75	0.05				38		1 531
UPPER MANNVILLE G		0.75	0.05				38		1 177
UPPER MANNVILLE H		0.75	0.05				38		200
U MANN E,F,G & H TOTAL	1 200	0.75	0.05	855	738	117	37	4 375	
OTHER	5 066			3 191	1 477	1 714		63 548	
TOTAL-BELLIS	7 208			4 762	2 813	1 949		72 354	
BELLOY 078-01W6									
CADOTTE A	546	0.75	0.05	390	75	315	37	11 794	3 033
DEBOLT B	494	0.80	0.10	356	122	234	39	9 166	890
OTHER	2 954			1 937	859	1 078		41 180	
TOTAL-BELLOY	3 994			2 683	1 056	1 627		62 140	
BELLSHILL LAKE 041-12W4									
BLAIRMORE ASSOC	124	0.70	0.20	70			38		224
BLAIRMORE SOLN	1 385	0.65	0.45	495			38		
BLAIRMORE ASSOC	5	0.70	0.20	3			38		29
BLAIRMORE ASSOC	11	0.70	0.20	6			38		34
BLAIRMORE ASSOC	7	0.70	0.20	4			38		30
BLAIRMORE ASSOC	72	0.70	0.20	40			38		139
BLAIRMORE TOTAL	1 604	0.65	0.40	618	139	479	38	18 020	
OTHER	743			481	113	368		12 883	
TOTAL-BELLSHILL LAKE	2 347			1 099	252	847		30 903	
BENJAMIN 028-07W5									
RUNDLE A	1 809	0.65	0.15	1 000		1 000	39	38 940	1 003
RUNDLE B	1 865	0.65	0.15	1 030	267	763	39	29 711	881
RUNDLE C	1 600	0.65	0.15	884	106	778	38	29 494	440
TOTAL-BENJAMIN	5 274			2 914	373	2 541		98 145	
BENTLEY 058-07W4									
TOTAL-BENTLEY	48			30		30		1 115	
BENTON 028-03W4									
TOTAL-BENTON	412			290	88	202		7 477	
BERLAND RIVER 059-23W5									
LEDUC A	3 852	0.90	0.25	2 600	1 069	1 531	38	57 765	280
TOTAL-BERLAND RIVER	3 852			2 600	1 069	1 531		57 765	
BERLAND RIVER WEST 058-25W5									
WABAMUN 10-058-25	663	0.80	0.25	398		398	38	14 925	440
WABAMUN 26-058-25	422	0.80	0.05	321		321	39	12 410	200
OTHER	100			68		68		2 738	
TOTAL-BERLAND RIVER WEST	1 185			787		787		30 073	
BERRY 027-12W4									
TOTAL-BERRY	2 474			1 703	437	1 266		47 376	
BESSIE 062-15W5									
TOTAL-BESSIE	37			25		25		982	
BEZANSON (SA) 071-03W6									
TOTAL-BEZANSON	141			105		105		4 113	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.74	0.210	0.60	5 550	33	0.904	0.60	765.9	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.200	0.65	4 800	26	0.909	0.60	765.3	1952	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.09	0.210	0.60	5 550	33	0.904	0.60	776.7	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.21	0.210	0.60	5 550	33	0.904	0.60	784.9	1953	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL TCPL PART OF VIK POOL NO.2
2.21	0.270	0.45	4 070	22	0.919	0.58	504.6	1965	1983	TCPL PANALTA MATERIAL BALANCE
2.12	0.300	0.65	3 450	22	0.932	0.59	528.2	1963	1982	PRODUCTION DECLINE
1.51	0.312	0.35	3 700	20	0.925	0.57	538.5	1969	1983	PRODUCTION DECLINE
2.12	0.300	0.55	3 860	27	0.928	0.57	550.2	1969	1982	PRODUCTION DECLINE
2.78	0.300	0.55	4 070	20	0.917	0.58	568.9	1969	1982	PRODUCTION DECLINE
								1963	1985	TCPL
3.09	0.276	0.65	3 130	19	0.939	0.55	518.4	1951	1988	A&S TCPL
7.41	0.183	0.60	14 400	60	0.822	0.66	1 447.8	1951	1981	A&S MATERIAL BALANCE
3 91	0.278	0.70	6 510	30	0.839	0.78	900.9	1956	1987	
						0.78		1956	1987	
1.14	0.278	0.70	6 510	30	0.839	0.78	902.6	1956	1987	
2.32	0.278	0.70	6 510	30	0.839	0.78	899.8	1956	1987	
1.67	0.278	0.70	6 510	30	0.839	0.78	916.4	1956	1987	
3.66	0.278	0.70	6 510	30	0.839	0.78	939.7	1956	1987	
								1956	1987	TCPL KANNGAZ
18.90	0.055	0.75	28 000	92	0.943	0.66	3 336.8	1969	1985	PANALTA PROGAS TOP/BASE TVD
23.40	0.053	0.75	27 400	92	0.938	0.66	3 296.1	1961	1984	PANALTA PROGAS TOP/BASE TVD
36.00	0.057	0.75	28 900	92	0.953	0.67	3 495.0	1978	1984	PANALTA PROGAS TOP/BASE TVD
65.60	0.072	0.90	36 450	121	1.015	0.68	3 762.9	1958	1986	TCPL MATERIAL BALANCE
21.87	0.036	0.80	33 090	127	0.984	0.72	3 724.0	1958	1973	TCPL BER
12.00	0.084	0.85	33 000	104	1.012	0.59	3 618.0	1980	1981	TCPL BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
BIG ARROW 099-05W6									
TOTAL-BIG ARROW	99			63		63		2 385	
BIG BEND 066-27W4									
GRAND RAPIDS Q	601	0.90	0.05	514	494	20	38	754	437
MCMURRAY H	700	0.75	0.05	499	374	125	37	4 599	1 564
MCMURRAY B		0.65	0.05				38		1 271
MCMURRAY II		0.65	0.05				38		425
WABAMUN F		0.65	0.05				37		128
MCMURRAY B.II & WAB F TOTAL	585	0.65	0.05	361	298	63	38	2 366	
WABAMUN A	655	0.75	0.05	466	251	215	37	8 060	1 799
WABAMUN E	459	0.70	0.05	305	165	140	38	5 275	1 071
WABAMUN H	842	0.70	0.10	530	162	368	38	13 966	1 732
OTHER	9 326			5 885	2 524	3 361		126 146	
TOTAL-BIG BEND	13 168			8 560	4 268	4 292		161 166	
BIG COULEE 067-23W4									
TOTAL-BIG COULEE	861			551	178	373		14 077	
BIGHORN 043-17W5									
TOTAL-BIGHORN	590			391		391		15 279	
BIGORAY 051-08W5									
GLAUCONITIC I	1 511	0.65	0.06	923	67	856	39	33 589	3 580
PEKISKO A SOLN	335	0.60	0.10	181[b]			40		
PEKISKO A ASSOC	1 469	0.90	0.10	1 190[b]	1 117[b]	254	40	10 076	4 959
OTHER	4 654			2 484	283	2 201		86 866	
TOTAL-BIGORAY	7 969			4 778	1 467	3 311		130 531	
BIGSTONE 061-22W5									
DUNVEGAN A	4 602	0.75	0.05	3 280	638	2 642	40	106 948	4 851
D-3 A	13 810	0.42	0.30	4 060	3 767	293	37	10 733	2 331
OTHER	1 081			677		677		25 707	
TOTAL-BIGSTONE	19 493			8 017	4 405	3 612		143 388	
BILAWCHUK 080-09W6									
TOTAL-BILAWCHUK	313			221		221		8 551	
BILBO 065-08W6									
FALHER B	513	0.90	0.10	416	26	390	40	15 432	250
OTHER	2 953			2 006	81	1 925		74 456	
TOTAL-BILBO	3 466			2 422	107	2 315		89 888	
BINDLOSS 023-04W4									
MILK RIVER A	1 519	0.70	0.05	1 010			36		19 140
MEDICINE HAT A	549	0.70	0.03	372			36		22 725
MEDICINE HAT D	6	0.50	0.03	3			36		380
SE ALTA GAS SYS (MU) TOTAL	2 074	0.70	0.05	1 385	342	1 043	36	38 038	
VIKING A	10 774	0.90	0.01	9 600	7 885	1 715	36	62 426	18 120
LOWER MANNVILLE C	757	0.90	0.10	613	34	579	38	22 019	405
BANFF 19-025-03	500	0.80	0.05	380		380	37	14 102	200
OTHER	702			482	105	377		13 408	
TOTAL-BINDLOSS	14 807			12 460	8 366	4 094		149 993	
BIRCH 050-11W4									
UPPER MANNVILLE R	476	0.80	0.05	362	147	215	36	7 828	807
CAMROSE B	896	0.90	0.05	766	614	152	37	5 671	4 603
OTHER	2 440			1 635	451	1 184		44 056	
TOTAL-BIRCH	3 812			2 763	1 212	1 551		57 555	
BISON LAKE 095-15W5									
TOTAL-BISON LAKE	314			201		201		7 396	
BISTCHO 122-04W6									
TOTAL-BISTCHO	242			168		168		6 192	
BITTERN LAKE 046-22W4									
GLAUCONITIC J	521	0.75	0.05	371	114	257	37	9 620	150
GLAUCONITIC O	589	0.85	0.05	476	476	< 1	37	-	150
OTHER	2 552			1 743	558	1 185		44 606	
TOTAL-BITTERN LAKE	3 662			2 590	1 148	1 442		54 226	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.70	0.250	0.60	4 620	21	0.910	0.56	600.6	1967	1981	TCPL PRODUCTION DECLINE
3.05	0.205	0.65	4 680	30	0.911	0.63	795.4	1967	1987	TCPL MATERIAL BALANCE
3.10	0.190	0.60	5 000	30	0.907	0.60	800.4	1968	1987	PRODUCTION DECLINE
1.83	0.253	0.60	5 000	29	0.905	0.60	799.8	1968	1983	PRODUCTION DECLINE
6.10	0.190	0.70	4 710	36	0.913	0.63	802.9	1976	1983	PRODUCTION DECLINE
								1968	1983	TCPL
6.31	0.154	0.75	4 990	37	0.916	0.60	816.0	1967	1988	TCPL
5.42	0.200	0.80	4 957	38	0.918	0.59	824.8	1975	1979	TCPL
7.62	0.164	0.85	4 520	32	0.921	0.59	755.1	1976	1988	TCPL
4.32	0.126	0.55	13 500	58	0.823	0.66	1 813.5	1958	1986	A&S PART OF GLAUC POOL NO.5
						0.67		1965	1986	A&S CONCURRENT PRODUCTION
5.20	0.060	0.60	15 160	58	0.823	0.67	1 832.3	1965	1986	A&S CONCURRENT PRODUCTION
5.51	0.154	0.55	17 930	60	0.802	0.68	1 973.7	1959	1986	A&S PROGAS PSR
17.47	0.080	0.85	32 650	116	0.972	0.70	3 383.4	1960	1986	A&S PRODUCTION DECLINE GAS CYCLING
7.60	0.120	0.85	35 760	103	1.022	0.63	2 552.0	1982	1988	
3.13	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.56	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.40	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1983	PANALTA TCPL
3.43	0.294	0.55	6 830	27	0.881	0.59	685.5	1952	1984	TCPL MATERIAL BALANCE
5.18	0.233	0.60	10 100	30	0.799	0.65	843.7	1954	1967	TCPL
22.50	0.169	0.65	9 460	35	0.863	0.57	987.8	1987	1988	
5.22	0.289	0.75	5 040	28	0.914	0.58	656.5	1978	1984	TCPL
3.06	0.101	0.65	4 760	27	0.914	0.57	713.5	1961	1987	TCPL MATERIAL BALANCE
11.90	0.270	0.89	8 440	37	0.865	0.60	1 189.5	1977	1988	TCPL PRODUCTION DECLINE
11.28	0.230	0.90	8 890	38	0.848	0.64	1 225.0	1967	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
BLACK 110-09W6									
TOTAL-BLACK	1 124			748		748		28 504	
BLACK BUTTE 001-08W4									
BASAL COLORADO A	322	0.80	0.05	245			37		1 016
BASAL COLORADO B	300	0.85	0.05	242			37		838
BASAL COLORADO A&B TOTAL	622	0.80	0.05	487	382	105	37	3 900	
SUNBURST-SWIFT A	469	0.80	0.04	360	316	44	38	1 673	824
SAWTOOTH A	900	0.82	0.05	701	621	80	37	2 988	1 660
RUNDLE A	1 105	0.80	0.10	796	425	371	37	13 812	1 230
OTHER	527			365	206	159		5 848	
TOTAL-BLACK BUTTE	3 623			2 709	1 950	759		28 221	
BLACK DIAMOND 020-02W5									
TOTAL-BLACK DIAMOND	300			41	41				
BLACKFOOT 022-23W4									
TOTAL-BLACKFOOT	593			396	138	258		9 406	
BLACKSTONE 045-16W5									
CARDIUM SD 26-044-16	435	0.85	0.05	352		352	39	13 584	200
BEAVERHILL LAKE A	18 332	0.80	0.25	11 000	1 253	9 747	37	362 978	3 693
OTHER	395			261		261		10 759	
TOTAL-BLACKSTONE	19 162			11 613	1 253	10 360		387 321	
BLANSKY (SA) 001-02W4									
TOTAL-BLANSKY	64			48		48		1 749	
BLOOD 006-22W4									
BOW ISLAND A	778	0.60	0.05	444	193	251	36	9 144	1 967
OTHER	36			17		17		622	
TOTAL-BLOOD	814			461	193	268		9 766	
BLOOR 033-12W4									
TOTAL-BLOOR	243			160	23	137		5 196	
BLUEBERRY 082-07W6									
BELLOY 16-082-07	451	0.90	0.10	365		365	39	14 122	200
KISKATINAW A	1 139	0.80	0.05	865	469	396	38	15 068	200
OTHER	227			152		152		5 849	
TOTAL-BLUEBERRY	1 817			1 382	469	913		35 039	
BLUERIDGE 059-10W5									
JURASSIC B	2 639	0.80	0.10	1 900	1 173	727	40	28 717	3 943
JURASSIC F	748	0.60	0.10	404	246	158	39	6 130	400
PEKISKO A SOLN	79	0.60	0.10	42[b]			38		
PEKISKO A ASSOC	1 139	0.90	0.10	923[b]	462[b]	503	38	19 300	1 637
OTHER	1 074			691	38	653		25 318	
TOTAL-BLUERIDGE	5 679			3 960	1 919	2 041		79 465	
BOGGY LAKE (SA) 030-06W5									
TOTAL-BOGGY LAKE	53			36		36		1 377	
BOHN (SA) 081-07W4									
TOTAL-BOHN	100			49		49		1 820	
BOLLOQUE 064-26W4									
LOWER MANNVILLE A	894	0.70	0.05	595	528	67	38	2 537	2 631
LOWER MANNVILLE B	579	0.80	0.05	440	115	325	38	12 249	1 161
OTHER	1 523			953	131	822		31 000	
TOTAL-BOLLOQUE	2 996			1 988	774	1 214		45 786	
BOLTAN (SA) 060-02W6									
TOTAL-BOLTAN	184			126		126		5 078	
BONANZA 081-12W6									
HALFWAY A	447	0.85	0.15	323		323	39	12 461	1 222
OTHER	1 161			508	16	492		18 117	
TOTAL-BONANZA	1 608			831	16	815		30 578	
BONDISS 064-15W4									
TOTAL-BONDISS	293			185	57	128		4 769	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.00	0.195	0.55	6 300	24	0.885	0.58	771.6	1944	1987	PRODUCTION DECLINE
3.18	0.231	0.60	6 430	24	0.882	0.57	788.9	1944	1987	PRODUCTION DECLINE
								1944	1987	CMG
5.77	0.200	0.70	7 100	30	0.848	0.65	900.8	1944	1984	CMG PRODUCTION DECLINE
2.58	0.200	0.70	8 100	33	0.871	0.60	990.8	1944	1981	CMG PRODUCTION DECLINE
5.98	0.100	0.80	8 260	33	0.867	0.62	997.0	1944	1979	CMG MATERIAL BALANCE
16.50	0.123	0.55	21 740	81	0.896	0.63	2 777.8	1979	1980	
23.51	0.084	0.89	45 200	140	1.102	0.72	4 737.4	1979	1984	TCPL CNG
10.08	0.154	0.75	3 410	32	0.936	0.62	1 015.1	1978	1986	PANALTA
10.49	0.200	0.75	14 480	63	0.855	0.61	1 444.4	1973	1977	TCPL BER
9.87	0.130	0.70	15 380	64	0.846	0.65	1 581.9	1973	1988	TCPL MATERIAL BALANCE
4.11	0.190	0.65	12 450	65	0.853	0.65	1 719.7	1967	1987	TCPL MATERIAL BALANCE
9.75	0.195	0.55	10 490	66	0.867	0.65	1 646.0	1970	1985	MATERIAL BALANCE
						0.65		1968	1988	TCPL CONCURRENT PRODUCTION OIL DEPLETED
6.79	0.127	0.65	12 550	64	0.853	0.65	1 731.4	1968	1988	TCPL CONCURRENT PRODUCTION OIL DEPLETED
3.20	0.227	0.70	5 450	29	0.900	0.58	868.5	1965	1983	TCPL MATERIAL BALANCE
3.77	0.300	0.80	5 380	33	0.907	0.58	863.9	1973	1980	TCPL
2.45	0.122	0.75	14 520	60	0.760	0.83	1 482.7	1973	1984	PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
BONNIE GLEN 047-27W4									
GLAUCONITIC A	1 162	0.70	0.10	732	258	474	39	18 652	2 836
D-3 A SOLN	17 625	0.80	0.35	9 165[b]			41		
D-3 A ASSOC	14 103	0.90	0.25	9 520[b]	5 919[b]	12 766	41	521 108	1 299
OTHER	1 366			872	335	537		21 193	
TOTAL-BONNIE GLEN	34 256			20 289	6 512	13 777		560 953	
BONNYVILLE 060-05W4									
TOTAL-BONNYVILLE	914			603	444	159		5 899	
BORDER 042-05W4									
TOTAL-BORDER	65			40		40		1 421	
BORRADAILE 051-05W4									
TOTAL-BORRADAILE	67			44		44		1 613	
BOTHA 098-05W6									
DEBOLT A	446	0.85	0.05	360		360	37	13 176	3 771
OTHER	207			135		135		5 005	
TOTAL-BOTHA	653			495		495		18 181	
BOTTREL 028-05W5									
TOTAL-BOTTREL	499			343		343		14 131	
BOUCHER 079-04W6									
TOTAL-BOUCHER	135			91		91		3 472	
BOUNDARY LAKE SOUTH 084-12W6									
TRIASSIC E ASSOC	123	0.80	0.10	88			40		481
TRIASSIC E SOLN	1 086	0.45	0.10	440			40		
TRIASSIC E ASSOC	80	0.80	0.10	58			40		191
TRIASSIC E TOTAL	1 289	0.50	0.10	586	395	191	40	7 684	
TRIASSIC G	939	0.80	0.10	676	520	156	40	6 165	3 282
KISKATINAW E	1 020	0.85	0.05	824	803	21	38	801	896
GOLATA B	1 230	0.90	0.10	996	809	187	39	7 248	400
KISKATINAW B	107	0.75	0.05	76			38		200
GOLATA A	455	0.85	0.05	368			38		440
KISKAT B & GOLATA A TOTAL	562	0.85	0.05	444	391	53	38	2 006	
OTHER	1 809			1 057	165	892		34 925	
TOTAL-BOUNDARY LAKE SOUTH	6 849			4 583	3 083	1 500		58 829	
BOUVIER 070-24W4									
WABAMUN C	516	0.65	0.05	318	53	265	37	9 919	1 056
OTHER	416			253	92	161		6 041	
TOTAL-BOUVIER	932			571	145	426		15 960	
BOW ISLAND 011-11W4									
MILK RIVER A	101	0.70	0.05	67			36		2 112
MEDICINE HAT C	24	0.50	0.03	12			36		935
SECOND WHITE SPECKS A	1 165	0.75	0.05	830			36		17 119
SECOND WHITE SPECKS C	9	0.80	0.05	7			36		200
SE ALTA GAS SYS (MU) TOTAL	1 299	0.75	0.05	916	3	913	36	33 297	
BOW ISLAND	2 667	0.75	0.05	1 900	1 661	239	38	9 008	38 702
OTHER	727			529	25	504		18 148	
TOTAL-BOW ISLAND	4 693			3 345	1 689	1 656		60 453	
BOWDEN (SA) 033-28W4									
TOTAL-BOWDEN	31			18		18		709	
BOYER 103-22W5									
BLUESKY A	18 422	0.60	0.05	10 500			37		130 779
BLUESKY A	739	0.60	0.05	421			37		11 534
BLUESKY A	147	0.60	0.05	84			37		4 410
BLUESKY A	34	0.60	0.05	19			37		1 114
BLUESKY A	27	0.65	0.05	17			37		200
BLUESKY A	18	0.65	0.05	11			37		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.10	0.134	0.50	11 940	64	0.840	0.67	1 561.2	1954	1988	PANALTA PROGAS SOQUIP KANNGAZ PART OF GLAUC POOL NO.3
						0.79		1951	1988	SOQUIP CONCURRENT PROD GAS CYCLING DEEP CUT
66.06	0.104	0.94	16 820	80	0.806	0.79	2 042.2	1951	1988	SOQUIP CONCURRENT PROD GAS CYCLING DEEP CUT
3.23	0.174	0.40	5 220	35	0.916	0.58	767.5	1975	1982	NONCOMMERCIAL OIL
1.30	0.158	0.90	12 550	49	0.802	0.65	1 321.8	1964	1988	
						0.65		1964	1988	
1.40	0.228	0.95	12 550	49	0.802	0.65	1 309.3	1964	1988	
								1964	1988	WCOAST
2.73	0.125	0.75	11 140	60	0.851	0.65	1 308.1	1967	1982	PANALTA WCOAST
5.07	0.156	0.85	16 060	77	0.885	0.59	1 893.7	1964	1976	WCOAST MATERIAL BALANCE
6.17	0.144	0.80	16 340	63	0.831	0.66	1 858.1	1964	1988	WCOAST PRODUCTION DECLINE
2.44	0.170	0.80	16 230	60	0.861	0.59	1 845.0	1958	1980	
5.79	0.140	0.80	16 350	63	0.868	0.59	1 859.3	1958	1980	
								1958	1980	WCOAST
9.04	0.200	0.75	3 590	30	0.935	0.58	650.4	1977	1982	TCPL
1.88	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.65	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.88	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
1.00	0.120	0.65	5 270	20	0.901	0.58	612.5	1980	1988	
								1910	1988	TCPL PROGAS
1.19	0.182	0.55	5 330	27	0.893	0.61	646.3	1909	1987	CWNGNUL ATCOR PROGAS TCPL PRODUCTION DECLINE
6.40	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.91	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1988	PART OF BLSKY POOL NO.1
1.51	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.38	0.210	0.40	2 550	19	0.948	0.57	335.3	1972	1985	PART OF BLSKY POOL NO.1
6.20	0.207	0.40	2 560	21	0.949	0.57	389.3	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-29-100-23 W5M
3.40	0.190	0.50	2 700	21	0.946	0.57	379.0	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-31-101-24 W5M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
BOYER 103-22W5 (CONTINUED)									
BLUESKY A	11	0.65	0.05	7			37		200
BLUESKY A	11	0.65	0.05	7			37		200
BLUESKY A	8	0.60	0.05	5			37		200
BLUESKY A	15	0.65	0.05	10			37		200
BLUESKY A	7	0.65	0.05	5			37		200
BLUESKY A	16	0.65	0.05	10			37		200
BLUESKY A	15	0.65	0.05	10			37		200
BLUESKY A	37	0.60	0.05	21			37		200
BLUESKY A	40	0.65	0.05	25			37		200
BLUESKY A	36	0.60	0.05	21			37		200
BLUESKY A	43	0.60	0.05	25			37		200
BLUESKY A	34	0.65	0.05	21			37		200
BLUESKY A	23	0.65	0.05	14			37		200
GETHING A	232	0.70	0.05	154			38		3 644
BLUESKY A & GETHING A TOTAL	19 915	0.60	0.05	11 387	2 489	8 898	37	331 273	
OTHER	432			261	107	154		5 703	
TOTAL-BOYER	20 347			11 648	2 596	9 052		336 976	
BRAEBURN 077-10W6									
BALDONNEL A	606	0.80	0.10	437	406	31	38	1 186	2 074
OTHER	955			367	104	263		10 189	
TOTAL-BRAEBURN	1 561			804	510	294		11 375	
BRANCH (SA) 002-20W4									
TOTAL-BRANCH	7			4		4		131	
BRANT 018-25W4									
TOTAL-BRANT	164			85	44	41		1 487	
BRAZEAU RIVER 045-13W5									
CARDIUM C SOLN	733	0.65	0.25	357	179	178	41	7 335	
LOWER MANNVILLE E	921	0.85	0.15	666	3	663	42	27 945	1 241
ROCK CREEK D	886	0.90	0.25	598	146	452	41	18 509	1 152
NORDEGG 07-047-12	558	0.85	0.10	427		427	39	16 854	256
ELKTON-SHUNDA A		0.75	0.10				39		5 883
ELKTON-SHUNDA A		0.75	0.10				39		9 428
ELKTON-SHUNDA A TOTAL	13 037	0.75	0.10	8 800	5 860	2 940	39	114 542	
ELKTON-SHUNDA B		0.85	0.10				39		26 045
ELKTON-SHUNDA B		0.85	0.10				39		42 772
ELKTON-SHUNDA B		0.85	0.10				39		128
ELKTON-SHUNDA B		0.85	0.10				39		11 056
ELKTON-SHUNDA B		0.85	0.10				39		26 958
ELKTON-SHUNDA B TOTAL	36 601	0.85	0.10	28 000	19 125	8 875	39	345 238	
NISKU A SOLN	943	0.75	0.35	460^{b}			41		
NISKU A ASSOC		0.85	0.10		-572^{b}	1 032	41	42 209	
NISKU E SOLN	814	0.65	0.35	344^{b}			41		
NISKU E ASSOC		0.85	0.10		-137^{b}	481	41	19 885	
NISKU F	992	0.80	0.30	556	29	527	42	22 076	104
NISKU J	707	c	c	481	23	458	41	18 783	96
NISKU K	812	c	c	429	134	295	41	12 098	255
NISKU M	1 489	c	c	823	89	734	41	30 358	150
NISKU N	519	0.85	0.30	309	201	108	39	4 185	128
NISKU P	9 408	c	c	3 730	108	3 622	40	144 880	3 761
NISKU S	1 400	0.85	0.20	952	248	704	39	27 329	128
OTHER	9 516			5 659	210	5 449		218 115	
TOTAL-BRAZEAU RIVER	79 336			52 591	25 646	26 945		1 070 341	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.00	0.160	0.40	2 750	22	0.946	0.57	429.6	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-24-101-01 W6M
2.44	0.210	0.40	2 550	19	0.948	0.57	338.1	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-102-23 W5M
1.80	0.210	0.40	2 550	19	0.948	0.57	227.1	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02/7-11-104-21 W5M
3.35	0.210	0.40	2 550	16	0.946	0.57	228.2	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-07-105-20 W5M
1.52	0.210	0.40	2 550	16	0.946	0.57	233.1	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-10-105-21 W5M
3.96	0.210	0.40	2 300	16	0.951	0.57	231.9	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-105-21 W5M
3.70	0.180	0.50	2 230	16	0.953	0.57	229.1	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-22-105-21 W5M
8.20	0.210	0.40	2 600	16	0.945	0.57	266.9	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-09-106-23 W5M
9.90	0.200	0.40	2 420	16	0.949	0.57	266.4	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-28-106-23 W5M
8.90	0.192	0.40	2 550	16	0.946	0.57	273.3	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 06-13-106-24 W5M
9.00	0.230	0.40	2 500	16	0.947	0.57	298.5	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-106-1 W6M
5.86	0.210	0.50	2 640	14	0.943	0.57	220.7	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 02-06-106-20 W5M
4.01	0.210	0.50	2 640	14	0.943	0.57	217.9	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-106-20 W5M
1.90	0.250	0.50	2 620	21	0.947	0.57	384.7	1976	1980	PART OF BLSKY POOL NO.1
								1972	1985	TCPL A&S PANALTA PART OF BLSKY POOL NO.1
2.45	0.121	0.70	14 820	70	0.873	0.63	1 726.1	1954	1988	WCOAST
						0.71		1985	1987	TCPL CWNGNUL DEEP CUT SL
2.01	0.156	0.90	32 610	97	0.953	0.77	2 927.0	1975	1978	TCPL
4.21	0.141	0.50	30 900	93	0.927	0.84	3 116.9	1973	1988	CWNGNUL DEEP CUT SL
28.60	0.050	0.90	20 630	113	0.898	0.73	2 742.0	1979	1982	
5.59	0.114	0.85	26 580	99	0.939	0.68	2 944.3	1965	1985	MATERIAL BALANCE
3.85	0.070	0.85	26 580	99	0.942	0.66	2 925.5	1965	1986	MATERIAL BALANCE
								1965	1984	A&S PROGAS TCPL
3.91	0.114	0.80	26 800	95	0.940	0.67	3 023.9	1959	1985	MATERIAL BALANCE
2.72	0.079	0.75	26 800	95	0.937	0.68	2 948.3	1959	1985	MATERIAL BALANCE
0.60	0.079	0.75	26 800	95	0.937	0.68	3 048.9	1960	1985	MATERIAL BALANCE ASSIGNED WELL 06-03-045-13 W5M
0.63	0.051	0.60	26 800	95	0.938	0.67	2 830.0	1959	1985	MATERIAL BALANCE
1.46	0.069	0.75	26 800	95	0.938	0.67	2 890.0	1981	1985	MATERIAL BALANCE
								1959	1985	TCPL A&S PROGAS
						0.74		1977	1988	A&S LEAN GAS BREAKTHROUGH
						0.74		1977	1988	A&S LEAN GAS BREAKTHROUGH
						0.74		1978	1988	LEAN GAS BREAKTHROUGH
						0.74		1978	1988	LEAN GAS BREAKTHROUGH
28.61	0.097	0.90	46 300	107	1.203	1.19	3 355.3	1978	1988	TCPL MATERIAL BALANCE GAS CYCLING
21.80	0.138	0.90	38 390	108	1.053	1.21	3 361.4	1979	1984	TCPL GAS CYCLING
26.07	0.053	0.75	70 730	117	1.678		3 844.4	1978	1986	TCPL GAS CYCLING
29.76	0.109	0.85	50 590	104	1.259	0.79	3 271.8	1979	1987	TCPL GAS CYCLING
15.00	0.083	0.85	38 760	98	0.977	0.75	3 705.0	1980	1988	CNG PRODUCTION DECLINE
16.23	0.056	0.85	35 780	99	0.935	1.20	3 137.3	1977	1987	TCPL A&S PROGAS GAS CYCLING
49.69	0.065	0.90	37 880	110	1.034	0.87	3 761.9	1979	1988	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
BREMNER 078-04W6									
TOTAL-BREMNER	31			22		22		824	
BRIDGE 057-07W5									
TOTAL-BRIDGE	207			140	40	100		3 936	
BRIGHT 051-02W5									
TOTAL-BRIGHT	203			143		143		5 672	
BRIKER 046-03W4									
TOTAL-BRIKER	86			61		61		2 164	
BRINTNELL (SA) 081-23W4									
TOTAL-BRINTNELL	41			24		24		885	
BRITTS (SA) 096-17W5									
TOTAL-BRITTS	24			14		14		522	
BRONSON 057-17W5									
TOTAL-BRONSON	789			537		537		19 932	
BROOKS 018-14W4									
MILK RIVER A	444	0.70	0.05	295			37		3 498
MEDICINE HAT A	64	0.70	0.03	44			36		1 878
MEDICINE HAT C	54	0.50	0.03	26			36		1 440
MEDICINE HAT D	8	0.50	0.03	4			36		344
SE ALTA GAS SYS (MU) TOTAL	570	0.70	0.05	369	228	141	37	5 206	
TOTAL-BROOKS	570			369	228	141		5 206	
BROWN CREEK (SA) 044-17W5									
TOTAL-BROWN CREEK	340			275		275		10 458	
BROWNVALE 081-26W5									
TOTAL-BROWNVALE	157			98		98		3 635	
BROXBURN 009-21W4									
TOTAL-BROXBURN	50			29	25	4		137	
BRUCE 047-16W4									
BELLY RIVER J	485	0.75	0.05	346	290	56	37	2 069	3 392
UPPER VIKING A		0.75	0.03				36		83 884
MIDDLE VIKING A		0.75	0.03				37		
MIDDLE VIKING B	385	0.55	0.03	206			36		15 454
UPPER VIKING F		0.60	0.05				38		200
UPPER MANNVILLE Z	337	0.65	0.05	208			38		670
U VIK A&F & M VIK A&B TOTAL	5 375	0.75	0.05	3 910	2 529	1 381	37	51 152	
UPPER MANNVILLE ZZZ	455	0.70	0.05	303	207	96	37	3 515	490
UPPER MANNVILLE A2A	523	0.65	0.05	323	229	94	38	3 533	583
OTHER	11 231			7 407	2 376	5 031		186 673	
TOTAL-BRUCE	18 069			12 289	5 631	6 658		246 942	
BUFF COULEE 046-07W4									
COLONY A	523	0.85	0.05	423	166	257	37	9 414	3 546
COLONY C	611	0.70	0.05	407	212	195	36	7 067	150
OTHER	398			279	75	204		7 445	
TOTAL-BUFF COULEE	1 532			1 109	453	656		23 926	
BUFFALO LAKE 039-21W4									
TOTAL-BUFFALO LAKE	488			214	39	175		6 897	
BUICK 090-02W6									
TOTAL-BUICK	76			50		50		1 846	
BURDETT 009-10W4									
TOTAL-BURDETT	175			124		124		4 589	
BURNT TIMBER 031-09W5									
RUNDLE A	20 781	0.80	0.20	13 300			39		4 449
RUNDLE B	2 375	0.80	0.20	1 520			39		2 203
RUNDLE A & B TOTAL	23 156	0.80	0.20	14 820	8 891	5 929	39	230 816	
WABAMUN A	4 640	0.75	0.50	1 740	790	950	38	36 072	2 999

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.01	0.154	0.55	3 140	16	0.935	0.57	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.79	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.95	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.59	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1987	CWNGNUL PANALTA TCPL
3.14	0.270	0.60	2 740	20	0.947	0.56	371.5	1978	1988	TCPL A&S KANNGAZ PART OF BR POOL NO.2
1.19	0.180	0.70	5 650	26	0.895	0.60	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
	0.180	0.70	5 650	26	0.895	0.59	789.4	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.15	0.212	0.40	5 650	27	0.898	0.60	745.4	1952	1985	PART OF VIK POOL NO.2 PRODUCTION DECLINE
1.24	0.230	0.55	3 960	25	0.921	0.59	735.5	1976	1976	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.43	0.255	0.75	6 070	27	0.887	0.59	873.4	1975	1988	PART OF VIK POOL NO.2 PRODUCTION DECLINE
								1917	1988	PANALTA TCPL PROGAS A&S KANNGAZ PART OF VIK POOL NO.2
1.44	0.232	0.70	6 170	29	0.891	0.60	884.4	1977	1986	TCPL MATERIAL BALANCE
3.39	0.265	0.75	6 140	28	0.889	0.58	872.1	1976	1987	TCPL PRODUCTION DECLINE
2.12	0.285	0.60	3 980	27	0.927	0.59	596.4	1976	1987	CWNGNUL PANALTA
11.72	0.280	0.89	4 250	21	0.920	0.58	593.8	1977	1988	CWNGNUL MATERIAL BALANCE
31.61	0.073	0.88	26 610	94	0.916	0.71	3 229.6	1959	1988	TOP/BASE TVD
9.27	0.066	0.80	25 860	100	0.895	0.75	3 339.7	1959	1988	TOP/BASE TVD
								1959	1988	TCPL
13.39	0.054	0.80	31 720	116	0.867	0.88	3 748.7	1976	1988	TCPL TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
BURNT TIMBER 031-09W5 (CONTINUED)									
TOTAL-BURNT TIMBER	27 796			16 560	9 681	6 879		266 888	
BYEMOOR 034-19W4									
TOTAL-BYEMOOR	172			115	2	113		4 127	
CACHE 058-12W4									
VIKING A	2 355	0.40	0.05	895	62	833	37	30 896	34 666
COLONY D	526	0.80	0.05	400	154	246	38	9 237	2 132
COLONY G	471	0.80	0.05	358	249	109	37	4 084	593
COLONY P	410	0.80	0.05	312	93	219	37	8 114	1 081
COLONY B		0.60	0.05				35		1 530
COLONY C		0.60	0.05				35		1 221
COLONY S		0.60	0.05				38		200
COLONY B,C & S TOTAL	541	0.60	0.05	309	296	13	36	466	
COLONY BB	71	0.65	0.05	44			38		745
COLONY EE	112	0.70	0.05	74			38		1 262
COLONY HH	330	0.80	0.05	251			38		2 608
COLONY BB, EE & HH TOTAL	513	0.75	0.05	369	232	137	38	5 188	
COLONY DD		0.75	0.05				37		880
COLONY FF		0.75	0.05				38		750
COLONY DD & FF TOTAL	486	0.75	0.05	346	255	91	38	3 421	
COLONY E	328	0.75	0.05	234			38		2 744
COLONY RR	9	0.70	0.05	6			38		150
COLONY F	103	0.70	0.05	68			37		903
COLONY E,F & RR TOTAL	440	0.75	0.05	308	128	180	38	6 752	
CLEARWATER B	1 247	0.70	0.05	829	744	85	37	3 154	3 843
OTHER	4 772			3 155	1 549	1 606		60 017	
TOTAL-CACHE	11 761			7 281	3 762	3 519		131 329	
CADOTTE 086-19W5									
TOTAL-CADOTTE	649			404	165	239		8 826	
CALAIS 070-25W5									
TOTAL-CALAIS	278			203	39	164		5 879	
CALLING LAKE 071-18W4									
D-2 B	2 372	0.75	0.05	1 690	1 581	109	37	4 023	7 421
D-2 C	610	0.80	0.05	464	42	422	37	15 542	3 867
OTHER	672			434	75	359		13 353	
TOTAL-CALLING LAKE	3 654			2 588	1 698	890		32 918	
CALLING LAKE SOUTH 070-22W4									
TOTAL-CALLING LAKE SOUTH	554			343	54	289		10 719	
CALLING LAKE WEST 071-20W4									
UPPER MANNVILLE A	555	0.70	0.05	370	150	220	38	8 261	3 361
OTHER	833			527	121	406		15 025	
TOTAL-CALLING LAKE WEST	1 388			897	271	626		23 286	
CAMPBELL-NAMAO 054-25W4									
NAMAO BLAIRMORE E SOLN	121	0.65	0.10	71[b]			38		
NAMAO BLAIRMORE E ASSOC	848	0.90	0.10	687[b]	488[b]	270	38	10 373	704
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		161
CAMPBELL BLAIRMORE A SOLN	117	0.65	0.10	68[b]			38		
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		335
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		49
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		207
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				39		80
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				36		50
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				36		79
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		36
CAMPBELL BLAIRMORE A ASSOC		0.80	0.10				38		34
CAMBELL BLAIRMORE A ASSOC		0.80	0.10				36		52
CAMPBELL BLAIRMORE A TOTAL	1 312	0.80	0.10	928[b]	702[b]	226	38	8 570	
BLAIRMORE J ASSOC		0.65	0.10				38		383
BLAIRMORE J SOLN	48	0.65	0.25	23[b]			38		
BLAIRMORE J ASSOC		0.65	0.10				38		64
BLAIRMORE J TOTAL	908	0.65	0.10	526[b]	232[b]	294	38	11 178	
OTHER	1 144			707	158	549		20 938	
TOTAL-CAMPBELL-NAMAO	4 333			2 919	1 580	1 339		51 059	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.04	0.283	0.55	4 000	21	0.922	0.57	434.3	1949	1988	MIP PANALTA TCPL PART OF VIK POOL NO.6
5.12	0.230	0.55	3 650	21	0.927	0.57	477.6	1952	1977	CWNGNUL MIP PANALTA TCPL SLUSH OIL
2.99	0.246	0.60	3 390	22	0.934	0.57	491.9	1965	1985	CWNGNUL MIP TCPL MATERIAL BALANCE
4.86	0.283	0.75	3 520	19	0.932	0.56	498.3	1977	1981	MIP PANALTA TCPL
1.30	0.277	0.70	3 790	19	0.928	0.59	484.0	1971	1986	MATERIAL BALANCE
1.62	0.290	0.65	3 850	21	0.929	0.59	488.5	1971	1986	MATERIAL BALANCE
1.82	0.250	0.60	3 905	18	0.921	0.56	489.8	1971	1986	MATERIAL BALANCE
								1971	1986	MIP PANALTA TCPL
1.46	0.272	0.70	3 320	21	0.934	0.57	480.4	1977	1981	
1.33	0.270	0.60	3 920	21	0.920	0.58	485.4	1973	1982	
1.66	0.294	0.65	3 800	21	0.922	0.58	481.4	1971	1981	
								1971	1982	MIP PANALTA TCPL
1.33	0.290	0.60	4 220	21	0.918	0.57	483.0	1958	1985	MATERIAL BALANCE
1.42	0.278	0.70	4 270	21	0.913	0.58	476.9	1958	1981	MATERIAL BALANCE
								1958	1982	MIP
1.54	0.304	0.70	3 510	21	0.931	0.57	492.6	1973	1986	
1.50	0.230	0.50	3 370	27	0.938	0.57	509.6	1978	1986	
1.75	0.272	0.65	3 570	22	0.932	0.56	480.6	1973	1986	
								1973	1986	MIP PANALTA
2.33	0.313	0.65	3 850	21	0.927	0.56	573.1	1973	1986	MIP PANALTA TCPL PRODUCTION DECLINE
9.40	0.055	0.55	2 450	19	0.951	0.57	464.0	1964	1986	TCPL MATERIAL BALANCE
7.77	0.120	0.65	2 520	17	0.949	0.57	473.2	1978	1986	KANNGAZ PANALTA TCPL
3.20	0.300	0.60	2 790	20	0.944	0.57	423.7	1970	1977	PANALTA
						0.65		1951	1982	NORCEN TCPL GPP
9.11	0.192	0.80	8 380	46	0.868	0.65	1 105.6	1951	1982	NORCEN TCPL GPP
1.67	0.150	0.50	8 200	38	0.844	0.66	1 116.7	1950	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1950	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.65	0.150	0.50	8 200	38	0.844	0.66	1 119.7	1950	1986	PRODUCTION DECLINE
2.86	0.200	0.50	8 020	36	0.816	0.70	1 128.2	1949	1986	PRODUCTION DECLINE
3.41	0.200	0.50	7 350	36	0.829	0.70	1 128.6	1950	1986	PRODUCTION DECLINE
2.06	0.210	0.60	8 020	36	0.816	0.70	1 125.4	1950	1986	PRODUCTION DECLINE
1.46	0.200	0.50	7 060	36	0.867	0.67	1 131.9	1950	1986	PRODUCTION DECLINE
1.09	0.200	0.50	8 370	37	0.849	0.67	1 132.4	1950	1986	PRODUCTION DECLINE
1.81	0.190	0.50	8 370	37	0.840	0.66	1 137.0	1950	1986	PRODUCTION DECLINE
1.76	0.190	0.50	8 370	37	0.840	0.66	1 137.1	1950	1986	PRODUCTION DECLINE
2.29	0.200	0.50	8 370	37	0.849	0.67	1 131.2	1950	1988	PRODUCTION DECLINE
								1950	1986	NORCEN PANALTA TCPL CONCURRENT PRODUCTION
5.50	0.226	0.75	7 950	36	0.865	0.64	1 138.1	1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.64		1976	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION
4.00	0.220	0.70	7 970	36	0.865	0.64	1 137.7	1976	1988	PRODUCTION DECLINE ASSIGNED WELL 05-12-054-24W4M
								1976	1988	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE	POOL RECOVERY	SURFACE LOSS	INITIAL ESTABLISHED RESERVES	NET CUMULATIVE PRODUCTION	REMAINING ESTABLISHED RESERVES	GROSS HEAT VALUE	REMAINING ENERGY CONTENT	
	10^6m^3	frac	frac	10^6m^3	10^6m^3	10^6m^3	MJ/m^3	TJ	ha
CANAL 070-23W4									
WABAMUN B	511	0.85	0.05	412	28	384	37	14 185	1 896
OTHER	137			88		88		3 285	
TOTAL-CANAL	648			500	28	472		17 470	
CANARD 057-09W4									
TOTAL-CANARD	1 960			1 195	394	801		29 814	
CAPRON 026-02W4									
TOTAL-CAPRON	174			118	8	110		4 081	
CARBON 029-22W4									
VIKING D	2 021	0.77	0.10	1 400	1 226	174	39	6 859	7 108
GLAUCONITIC	5 101	0.80	0.01	4 040	1 462	2 578	39	100 362	5 927
OTHER	1 687			1 050	451	599		22 904	
TOTAL-CARBON	8 809			6 490	3 139	3 351		130 125	
CARDIFF 054-02W5									
ELLERSLIE A	700	0.90	0.10	567	470	97	39	3 806	1 232
OTHER	321			215		215		8 318	
TOTAL-CARDIFF	1 021			782	470	312		12 124	
CARIBOU 062-10W5									
TOTAL-CARIBOU	230			163	21	142		5 376	
CAROLINE 035-06W5									
CARDIUM E SOLN	6 346	0.26	0.15	1 403	783	620	42	25 811	
VIKING A SOLN	872	0.65	0.15	482[b]			40		
VIKING A ASSOC	4 589	0.92	0.10	3 800[b]	3 103[b]	1 179	40	46 747	16 573
GLAUCONITIC 033-05	444	0.75	0.10	300		300	41	12 246	729
GLAUCONITIC C	445	0.85	0.10	340			40		1 040
BASAL MANNVILLE K	850	0.75	0.10	574			41		2 459
BASAL MANNVILLE R	197	0.80	0.10	142			41		822
BASAL MANNVILLE GG	2 718	0.65	0.10	1 590			40		5 317
BASAL MANNVILLE QQ	537	0.75	0.10	363			41		2 142
BASAL MANNVILLE RR	101	0.75	0.10	68			40		961
BASAL MANNVILLE KKK	29	0.75	0.10	20			41		150
BASAL MANNVILLE LLL	42	0.75	0.10	29			41		150
BASAL MANNVILLE MMM	73	0.75	0.10	50			41		150
BASAL MANNVILLE M2M	49	0.75	0.10	33			41		150
BASAL MANNVILLE N2N	96	0.75	0.10	65			41		150
BASAL MANNVILLE O2O	26	0.75	0.10	18			41		150
BASAL MANNVILLE P2P	49	0.75	0.10	33			41		150
BASAL MANNVILLE Q2Q	29	0.75	0.10	20			41		150
BASAL MANNVILLE R2R	67	0.75	0.10	45			40		150
BASAL MANNVILLE B2B	66	0.80	0.15	45			41		150
BASAL MANNVILLE S2S	109	0.75	0.10	74			40		632
BASAL MANNVILLE G3G	120	0.80	0.10	86			41		566
GLAUC & BSL MANN MU 1 TOTAL	5 603	0.70	0.10	3 595	343	3 252	40	130 405	
BASAL MANNVILLE B	639	0.80	0.10	460	408	52	42	2 205	150
BASAL MANNVILLE G	572	0.85	0.10	437	317	120	41	4 968	150
BASAL MANNVILLE I	544	0.85	0.10	416			40		879
BASAL MANNVILLE XX	112	0.75	0.10	76			40		300
BASAL MANNVILLE YY	22	0.75	0.10	15			40		300
BASAL MANNVILLE AAA	26	0.75	0.10	18			40		150
BMN I,XX,YY & AAA TOTAL	704	0.85	0.10	525	21	504	40	20 220	
BASAL MANNVILLE AA	310	0.90	0.15	237			42		986
BASAL MANNVILLE BBB	87	0.75	0.15	55			42		647
BASAL MANNVILLE CCC	191	0.85	0.15	138			42		614
BSL MANN AA,BBB & CCC TOTAL	588	0.85	0.15	430	69	361	42	15 039	
BASAL MANNVILLE A	2 500	0.80	0.10	1 800			40		5 476
BASAL MANNVILLE L	536	0.80	0.10	386			40		2 280
BASAL MANNVILLE OO	593	0.80	0.10	427			41		1 620
BASAL MANNVILLE PP	38	0.80	0.10	27			41		300
BASAL MANNVILLE SS	166	0.80	0.10	120			40		656
BASAL MANNVILLE ZZ	22	0.80	0.10	16			41		150
BASAL MANNVILLE DDD	42	0.75	0.10	29			41		128
BASAL MANNVILLE JJJ	30	0.80	0.10	22			41		150
BASAL MANNVILLE YYY	142	0.75	0.10	96			41		300
BASAL MANNVILLE TTT ASSOC	34	0.75	0.15	22			42		150
BASAL MANNVILLE J2J	210	0.75	0.10	142			40		1 218
BASAL MANNVILLE T2T	346	0.85	0.15	250			42		1 082

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.42	0.210	0.80	2 970	29	0.944	0.61	597.2	1972	1981	TCPL
2.02	0.145	0.60	8 180	41	0.839	0.66	1 300.2	1964	1985	A&S CWNGNUL PANALTA PART OF VIK POOL NO.3 PRODUCTION DECLINE
5.69	0.199	0.65	10 170	50	0.834	0.66	1 445.6	1955	1987	CWNGNUL TCPL MATERIAL BALANCE
1.71	0.171	0.70	10 440	41	0.803	0.68	1 321.3	1977	1988	PROGAS PANALTA MATERIAL BALANCE
						0.72		1974	1988	TCPL PANALTA SECONDARY GAS CAP
						0.67		1957	1986	PANALTA TCPL A&S CONCURRENT PRODUCTION
2.03	0.108	0.75	17 260	74	0.840	0.67	2 401.6	1957	1986	PANALTA TCPL A&S CONCURRENT PRODUCTION
2.75	0.113	0.80	27 990	83	0.913	0.68	2 767.6	1982	1987	
2.01	0.119	0.80	24 450	76	0.890	0.65	2 885.4	1981	1987	
1.69	0.108	0.75	28 480	80	0.909	0.70	3 007.9	1980	1987	
1.43	0.087	0.75	28 480	75	0.906	0.68	2 994.3	1980	1985	
2.92	0.097	0.75	27 120	80	0.908	0.67	2 935.2	1969	1987	
1.19	0.108	0.85	26 100	87	0.899	0.69	2 989.9	1981	1987	
0.85	0.078	0.70	26 060	87	0.905	0.68	2 953.0	1981	1987	
0.80	0.130	0.85	26 300	96	0.913	0.69	2 956.5	1984	1985	
1.70	0.100	0.75	26 300	96	0.913	0.69	2 940.7	1984	1985	
1.60	0.162	0.85	26 300	96	0.913	0.69	2 845.9	1982	1985	
1.80	0.100	0.80	26 100	89	0.902	0.69	3 063.9	1983	1987	
3.20	0.110	0.80	26 100	90	0.903	0.69	3 086.9	1983	1987	
1.00	0.095	0.80	26 100	87	0.899	0.69	2 903.0	1981	1987	
2.00	0.095	0.75	26 100	88	0.901	0.69	2 922.6	1981	1987	
1.00	0.100	0.85	26 100	89	0.902	0.69	2 931.0	1981	1987	
2.00	0.120	0.90	23 600	90	0.888	0.6	2 998.5	1984	1987	
2.00	0.100	0.80	31 300	77	0.921	0.79	2 838.0	1982	1985	
0.94	0.094	0.85	26 100	84	0.903	0.68	2 832.7	1961	1987	
0.89	0.110	0.80	31 300	80	0.934	0.72	2 812.6	1982	1987	
								1970	1988	PANALTA PROGAS TCPL
8.02	0.150	0.70	29 370	86	0.911	0.75	2 881.3	1958	1988	A&S PRODUCTION DECLINE
26.10	0.110	0.85	19 760	93	0.871	0.67	2 958.8	1981	1988	A&S PRODUCTION DECLINE
2.91	0.126	0.80	24 200	92	0.893	0.69	2 886.8	1980	1985	
2.00	0.110	0.80	24 200	91	0.891	0.69	2 910.1	1980	1985	
0.40	0.108	0.80	24 200	92	0.893	0.69	2 888.0	1980	1985	
1.30	0.082	0.75	24 500	86	0.886	0.69	2 872.3	1980	1985	
								1980	1985	A&S PROGAS TCPL
1.32	0.132	0.80	24 690	84	0.872	0.74	2 651.3	1976	1988	
0.75	0.114	0.70	24 690	84	0.872	0.74	2 677.0	1976	1985	
1.49	0.132	0.70	24 690	84	0.872	0.74	2 683.6	1976	1986	
								1976	1987	A&S
2.04	0.117	0.80	27 420	87	0.906	0.71	2 690.2	1957	1988	
0.89	0.128	0.85	27 860	85	0.912	0.70	2 652.8	1964	1988	
1.58	0.119	0.80	27 850	87	0.904	0.73	2 810.6	1960	1988	
0.70	0.094	0.75	30 530	91	0.934	0.73	2 773.3	1981	1985	
0.90	0.138	0.85	27 450	84	0.914	0.67	2 650.8	1980	1984	
0.80	0.090	0.80	29 330	89	0.921	0.73	2 774.0	1981	1985	
1.80	0.100	0.75	28 000	92	0.904	0.76	2 837.4	1981	1985	
1.00	0.100	0.80	29 330	89	0.921	0.73	2 792.2	1981	1985	
1.65	0.120	0.85	30 940	69	0.914	0.75	2 688.2	1973	1986	
0.90	0.130	0.75	27 550	72	0.869	0.76	2 694.3	1957	1987	GPP
0.78	0.107	0.85	27 700	84	0.909	0.70	2 639.0	1980	1987	
1.42	0.117	0.85	23 840	80	0.848	0.74	2 674.3	1981	1987	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CAROLINE 035-06W5 (CONTINUED)									
BASAL MANNVILLE U2U	27	0.75	0.10	18			41		150
BASAL MANNVILLE V2V	21	0.80	0.10	15			40		150
BASAL MANNVILLE W2W	12	0.75	0.10	8			40		150
BASAL MANNVILLE C3C	31	0.75	0.10	21			40		128
GLAUCONITIC I	109	0.75	0.10	74			41		128
BASAL MANNVILLE B3B	22	0.80	0.10	16			40		128
BASAL MANNVILLE MU #3 TOTAL	4 881	0.80	0.10	3 489	682	2 807	41	113 824	
GLAUCONITIC H	558	0.70	0.10	352			41		764
BASAL MANNVILLE OOO	37	0.75	0.10	25			40		300
BASAL MANNVILLE PPP	30	0.75	0.10	21			40		150
BASAL MANNVILLE QQQ	42	0.75	0.10	29			40		150
BASAL MANNVILLE RRR	293	0.80	0.10	211			40		804
BASAL MANNVILLE Z2Z	65	0.80	0.15	44			41		300
BASAL MANVILLE MU #4 TOTAL	1 025	0.75	0.10	682	41	641	41	26 082	
BASAL MANNVILLE K2K	197	0.80	0.10	142			40		300
BASAL MANNVILLE L2L	96	0.80	0.10	69			40		300
BASAL MANNVILLE X2X	133	0.75	0.10	90			41		300
BASAL MANNVILLE MU #5 TOTAL	426	0.80	0.10	301	50	251	40	10 095	
BASAL MANNVILLE O	77	0.75	0.10	52			40		300
BASAL MANNVILLE Y	6 334	0.60	0.10	3 420			40		8 682
BASAL MANNVILLE EE	87	0.75	0.10	59			39		300
BASAL MANNVILLE FF	142	0.75	0.10	96			39		150
BASAL MANNVILLE HH	99	0.75	0.10	67			40		690
BASAL MANNVILLE II	11	0.70	0.10	7			40		128
BASAL MANNVILLE JJ	20	0.75	0.10	14			40		150
BASAL MANNVILLE KK	28	0.75	0.10	19			40		150
BASAL MANNVILLE LL	21	0.75	0.10	14			40		150
OSTRACOD A	347	0.85	0.10	266			39		887
GLAUCONITIC F	337	0.75	0.10	228			40		1 064
BASAL MANNVILLE Y2Y	21	0.75	0.10	14			40		150
BASAL MANNVILLE H3H	36	0.75	0.10	24			40		128
BASAL MANNVILLE I3I	25	0.75	0.10	17			40		128
BASAL MANN & OST MU TOTAL	7 585	0.65	0.10	4 297	542	3 755	40	151 402	
RUNDLE A SOLN	1 875	0.48	0.55	405	260	145	40	5 746	
ELKTON A	671	0.85	0.20	456	356	100	42	4 151	400
ELKTON I	495	0.85	0.15	358	192	166	40	6 589	400
BEAVERHILL LAKE A	61 152	c	c	21 000	25	20 975	43	892 696	9 570
OTHER	8 095			4 158	327	3 831		153 284	
TOTAL-CAROLINE	106 562			46 578	7 519	39 059		1 621 510	
CARROT CREEK 052-12W5									
LOWER MANNVILLE G	833	0.85	0.15	602			41		1 148
LOWER MANNVILLE L	261	0.85	0.20	178			41		511
LOWER MANNVILLE O	122	0.75	0.15	78			41		300
LOWER MANNVILLE G,L&O TOTAL	1 216	0.85	0.15	858	151	707	41	28 761	
LOWER MANNVILLE Q	303	0.85	0.15	219			40		128
JURASSIC T	161	0.80	0.10	116			41		294
L MANN Q & JUR T TOTAL	464	0.85	0.15	335	200	135	41	5 504	
OTHER	5 277			3 193	601	2 592		103 475	
TOTAL-CARROT CREEK	6 957			4 386	952	3 434		137 740	
CARSON CREEK 061-12W5									
BEAVERHILL LAKE B	10 941	c	c	8 030	5 380	2 650	42[a]	110 373	8 478
TOTAL-CARSON CREEK	10 941			8 030	5 380	2 650		110 373	
CARSON CREEK NORTH 062-12W5									
BEAVERHILL LAKE A ASSOC	637	0.85	0.15	460[b]			42		1 155
BEAVERHILL LAKE A SOLN	16 473	0.46	0.15	6 441[b]			42		
BEAVERHILL LAKE B ASSOC	182	0.75	0.15	116[b]			42		286
BEAVERHILL LAKE A&B TOTAL	17 292	0.50	0.15	7 017[b]	5 054[b]	1 963	42	81 818	
TOTAL-CARSON CREEK NORTH	17 292			7 017	5 054	1 963		81 818	
CARSTAIRS 030-02W5									
ELKTON A	29 877	c	c	21 700	21 184	516	40[a]	20 723	7 186
OTHER	749			500	42	458		18 307	
TOTAL-CARSTAIRS	30 626			22 200	21 226	974		39 030	
CARVEL 053-02W5									
TOTAL-CARVEL	462			310		310		11 562	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.80	0.110	0.85	28 300	89	0.908	0.74	2 664.1	1982	1987	
0.60	0.110	0.80	30 530	75	0.928	0.69	2 814.8	1960	1985	
0.45	0.093	0.80	24 810	75	0.867	0.71	2 782.9	1981	1985	
1.20	0.120	0.80	23 300	88	0.865	0.74	2 641.4	1963	1987	
4.00	0.120	0.85	22 600	83	0.862	0.71	2 594.5	1984	1987	
1.00	0.090	0.70	29 920	72	0.916	0.70	2 668.3	1987	1987	
								1960	1988	A&S TCPL PANALTA
3.03	0.127	0.80	26 670	86	0.890	0.73	2 553.3	1985	1988	
0.60	0.112	0.80	25 880	85	0.896	0.69	2 583.9	1984	1988	
0.85	0.120	0.80	27 140	79	0.899	0.69	2 605.7	1984	1987	
1.30	0.110	0.85	25 880	85	0.896	0.69	2 598.4	1984	1985	
1.73	0.108	0.80	27 140	79	0.899	0.69	2 611.5	1984	1988	
0.75	0.130	0.85	28 840	79	0.889	0.80	2 629.0	1985	1986	
								1984	1988	A&S
2.50	0.106	0.85	38 770	91	1.037	0.73	3 118.0	1983	1986	
1.45	0.107	0.75	36 680	100	1.021	0.69	3 135.1	1983	1988	
1.50	0.129	0.80	38 770	98	1.040	0.70	3 181.6	1985	1987	
								1983	1987	
1.00	0.126	0.90	25 770	91	0.888	0.75	2 869.1	1980	1987	
4.05	0.108	0.80	23 660	90	0.889	0.68	2 849.6	1978	1988	
2.00	0.102	0.70	22 600	88	0.880	0.70	2 925.0	1980	1986	
4.00	0.140	0.85	22 600	91	0.885	0.70	2 943.0	1980	1988	
1.03	0.100	0.70	22 470	94	0.873	0.73	2 954.6	1979	1983	
0.74	0.077	0.65	26 000	77	0.881	0.71	2 908.7	1981	1983	
1.40	0.075	0.65	22 200	92	0.868	0.73	2 936.5	1979	1988	
1.16	0.095	0.70	26 750	78	0.890	0.71	2 915.5	1981	1988	
1.22	0.077	0.80	19 800	78	0.850	0.69	2 981.1	1980	1988	
2.63	0.094	0.80	22 800	93	0.895	0.68	2 982.5	1980	1982	
1.70	0.092	0.85	26 900	90	0.926	0.64	2 768.3	1982	1987	
1.20	0.081	0.65	22 920	77	0.856	0.71	2 869.2	1984	1987	
2.00	0.100	0.65	23 770	85	0.883	0.69	2 854.3	1984	1986	
1.30	0.110	0.65	23 770	85	0.883	0.69	2 859.2	1984	1986	
								1978	1988	A&S PROGAS TCPL
						0.72		1955	1988	A&S TCPL
9.87	0.099	0.80	23 740	93	0.859	0.81	2 830.9	1959	1984	A&S
6.15	0.117	0.80	24 750	89	0.905	0.70	2 873.0	1981	1988	A&S
18.58	0.104	0.90	36 650	102	0.899	1.17	3 715.6	1986	1988	A&S TCPL
5.02	0.119	0.70	17 660	81	0.818	0.75	2 135.5	1976	1986	
2.86	0.115	0.75	17 900	65	0.728	0.85	2 180.2	1976	1982	
2.40	0.137	0.65	17 520	64	0.780	0.75	2 150.2	1979	1986	
								1976	1986	TCPL
9.97	0.130	0.75	23 100	62	0.805	0.79	2 060.1	1979	1986	
2.62	0.124	0.70	23 100	63	0.814	0.74	2 090.6	1979	1982	
								1979	1986	PANALTA PROGAS
7.70	0.077	0.80	26 130	93	0.850	0.92	2 621.1	1957	1988	A&S TCPL GAS CYCLING
3.13	0.089	0.85	25 750	85	0.878	0.74	2 641.5	1958	1988	MU-SOLN BEAVERHILL LAKE A&B.CONC PROD
						0.74		1958	1988	MU-SOLN BEAVERHILL LAKE A&B.CONC PROD
3.00	0.102	0.90	25 920	88	0.884	0.74	2 651.8	1958	1987	
								1958	1988	A&S CONCURRENT PRODUCTION
17.48	0.121	0.90	22 820	80	0.865	0.73	2 459.8	1958	1987	TCPL GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
CASLAN 065-17W4									
NISKU A	621	0.75	0.05	443	158	285	37	10 536	1 955
OTHER	691			431	113	318		11 952	
TOTAL-CASLAN	1 312			874	271	603		22 488	
CASSILS 019-15W4									
MILK RIVER A	2 481	0.70	0.05	1 650			36		9 504
MEDICINE HAT A	1 237	0.70	0.03	840			36		8 311
MEDICINE HAT C	206	0.50	0.03	100			36		4 462
SE ALTA GAS SYS (MU) TOTAL	3 924	0.70	0.05	2 590	403	2 187	36	79 760	
OTHER	22			16	1	15		549	
TOTAL-CASSILS	3 946			2 606	404	2 202		80 309	
CAVALIER 024-23W4									
TOTAL-CAVALIER	121			71		71		2 624	
CAW (SA) 061-06W6									
TOTAL-CAW	91			60		60		2 406	
CECIL 084-08W6									
TOTAL-CECIL	611			441	24	417		15 859	
CECILIA 057-22W5									
TOTAL-CECILIA	353			254		254		9 820	
CENTRON (SA) 023-26W4									
TOTAL-CENTRON	21			11		11		402	
CEREAL 026-07W4									
TOTAL-CEREAL	147			93		93		3 407	
CESSFORD 025-13W4									
MILK RIVER A	4 180	0.70	0.05	2 780			36		81 234
MEDICINE HAT A	10 677	0.70	0.03	7 250			36		128 237
MEDICINE HAT C	456	0.50	0.03	221			36		15 830
MEDICINE HAT D	1 124	0.50	0.03	545			36		35 606
SECOND WHITE SPECKS A	576	0.75	0.05	410			36		8 868
SE ALTA GAS SYS(MU) TOTAL	17 013	0.70	0.05	11 206	1 491	9 715	36	354 306	
BASAL COLORADO A ASSOC		0.88	0.04				38		41 326
BASAL COLORADO A SOLN	544	0.47	0.20	205[b]			38		
BASAL COLORADO A ASSOC		0.88	0.04				38		580
BASAL COLORADO A ASSOC		0.88	0.04				38		93
BASAL COLORADO A TOTAL	20 194	0.85	0.05	16 805[b]	16 736[b]	69	38	2 648	
BASAL COLORADO D	1 050	0.80	0.10	756	680	76	38	2 918	4 000
BASAL COLORADO E		0.85	0.10				38		3 595
MANNVILLE N		0.85	0.04				38		440
MANNVILLE O		0.75	0.05				38		200
BSL COLO E & MANN N&O TOTAL	1 978	0.85	0.10	1 530	1 429	101	38	3 845	
MANNVILLE I ASSOC	433	0.75	0.04	312	103	209	38	8 007	377
MANNVILLE C ASSOC	1 934	0.85	0.10	1 480[b]			40		2 897
MANNVILLE C SOLN	1 408	0.65	0.20	732[b]			40		
MANNVILLE C ASSOC	15	0.75	0.10	10[b]			40		64
MANNVILLE C ASSOC	35	0.75	0.10	23[b]			40		192
MANNVILLE C TOTAL	3 392	0.75	0.15	2 245[b]	1 608[b]	637	40	25 767	
MANNVILLE G	1 314	0.70	0.04	883	844	39	38	1 471	1 709
MANNVILLE H	1 805	0.75	0.04	1 300	1 226	74	37	2 759	2 836
MANNVILLE J	631	0.72	0.04	436	436	< 1	38	-	968
MANNVILLE V	1 900	0.85	0.04	1 550	1 297	253	38	9 546	1 281
MANNVILLE Y ASSOC		0.85	0.10				39		516
MANNVILLE Y SOLN	241	0.65	0.30	110[b]			39		
MANNVILLE Z ASSOC		0.85	0.10				39		214
MANNVILLE Y & Z TOTAL	594	0.75	0.15	380[b]	358[b]	22	39	852	
MANNVILLE L		0.75	0.05				39		498
MANNVILLE CC		0.75	0.05				38		2 484
MANNVILLE L & CC TOTAL	609	0.75	0.05	434	362	72	38	2 750	
GLAUCONITIC 31-023-13	411	0.80	0.05	313		313	38	11 888	150
GLAUCONITIC T	345	0.80	0.10	248			39		2 038
MANNVILLE HH ASSOC	1 075	0.80	0.10	774			38		2 447

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.10	0.165	0.65	3 150	20	0.939	0.58	586.2	1976	1982	PANALTA
10.32	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.45	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.17	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1982	PART OF MED HAT POOL NO.3
								1904	1988	PANALTA TCPL
3.48	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.93	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.73	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.3
0.80	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.4
0.84	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1982	PART OF 2WS POOL NO.1
								1904	1988	CNG PANALTA PROGAS TCPL
3.45	0.265	0.60	8 810	27	0.822	0.62	872.8	1951	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.62		1951	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
1.94	0.265	0.60	8 810	27	0.822	0.62	917.6	1951	1986	MATERIAL BALANCE
1.75	0.265	0.60	8 810	27	0.822	0.62	918.4	1951	1986	MATERIAL BALANCE
								1951	1987	PANALTA TCPL CONCURRENT PRODUCTION
2.47	0.241	0.55	7 600	28	0.837	0.65	923.0	1951	1986	TCPL MATERIAL BALANCE
2.32	0.215	0.50	8 680	27	0.820	0.63	899.2	1950	1988	MATERIAL BALANCE
3.08	0.212	0.50	9 760	33	0.813	0.66	1 012.9	1951	1988	MATERIAL BALANCE
6.17	0.233	0.60	8 720	33	0.828	0.66	973.2	1953	1988	MATERIAL BALANCE
								1950	1988	TCPL
2.49	0.218	0.70	9 740	33	0.838	0.59	1 019.9	1951	1986	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.33	0.240	0.70	9 720	33	0.757	0.71	1 014.6	1951	1986	CONCURRENT PRODUCTION
						0.71		1951	1986	CONCURRENT PRODUCTION
1.23	0.230	0.70	9 720	33	0.757	0.71	1 023.5	1951	1982	
0.92	0.240	0.70	9 720	33	0.757	0.71	1 025.4	1951	1981	
						0.72		1951	1986	TCPL CONCURRENT PRODUCTION
4.02	0.210	0.50	9 760	33	0.813	0.66	1 036.1	1950	1986	TCPL MATERIAL BALANCE
4.30	0.254	0.55	9 930	27	0.828	0.60	933.3	1958	1987	TCPL PRODUCTION DECLINE
3.81	0.232	0.55	10 580	33	0.803	0.66	1 037.0	1958	1985	
3.14	0.222	0.60	9 650	38	0.827	0.66	1 123.5	1959	1988	TCPL MATERIAL BALANCE
2.01	0.202	0.65	9 710	32	0.809	0.64	999.6	1951	1987	PRODUCTION DECLINE MU-SOLN MANNVILLE Y&Z, CONC PROD
						0.64		1951	1987	PRODUCTION DECLINE MU-SOLN MANNVILLE Y&Z, CONC PROD
0.56	0.236	0.65	9 680	29	0.801	0.64	991.3	1951	1983	PRODUCTION DECLINE
								1951	1985	TCPL CONCURRENT PRODUCTION
3.03	0.023	0.50	9 650	35	0.792	0.70	1 107.6	1962	1985	MATERIAL BALANCE
2.04	0.170	0.50	9 450	35	0.850	0.59	1 087.1	1962	1980	MATERIAL BALANCE
								1962	1980	TCPL
16.50	0.220	0.70	9 640	33	0.830	0.62	970.0	1986	1987	
1.64	0.177	0.55	9 670	40	0.828	0.64	1 282.0	1966	1984	PART OF GLAUC POOL NO.4
4.77	0.152	0.55	9 830	38	0.816	0.68	1 229.9	1972	1987	PART OF GLAUC POOL NO.4

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
CESSFORD 025-13W4 (CONTINUED)									
GLAUC T & MANN HH TOTAL	1 420	0.80	0.10	1 022	140	882	38	33 569	
BANFF B ASSOC	385	0.85	0.10	294[b]			39		1 615
BANFF B ASSOC	2	0.75	0.10	2[b]			39		26
BANFF B ASSOC	6	0.75	0.10	5[b]			39		72
BANFF B SOLN	313	0.65	0.12	179[b]			39		
BANFF B TOTAL	706	0.75	0.10	480[b]	152[b]	328	39	12 858	
OTHER	9 824			6 427	2 562	3 865		145 247	
TOTAL-CESSFORD	63 274			46 079	29 424	16 655		618 431	
CHAIN 033-17W4									
TOTAL-CHAIN	1 294			824	183	641		24 388	
CHAMBERLAIN 052-23W4									
TOTAL-CHAMBERLAIN	8			5		5		191	
CHAMBERS 041-10W5									
ELKTON 05-041-11	457	0.85	0.15	330		330	39	12 857	200
OTHER	1 128			794		794		31 274	
TOTAL-CHAMBERS	1 585			1 124		1 124		44 131	
CHANDLER 059-02W4									
TOTAL-CHANDLER	312			177	71	106		3 847	
CHARD 079-06W4									
WABISKAW B	59	0.50	0.05	29			37		3 558
WABISKAW D	23	0.50	0.05	11			38		1 567
WABISKAW E	3	0.50	0.10	2			41		269
MCMURRAY B	4 589	0.75	0.05	3 270			37		22 786
MCMURRAY D	89	0.50	0.05	43			37		772
MCMURRAY E	159	0.50	0.05	76			37		2 790
MCMURRAY F	6	0.50	0.05	3			37		237
MCMURRAY G	9	0.50	0.05	5			37		279
MCMURRAY H	7	0.60	0.05	4			37		200
MCMURRAY I	18	0.50	0.05	9			38		469
MCMURRAY J	17	0.50	0.05	9			38		518
WBSK & MCM MU1 TOTAL	4 979	0.75	0.05	3 461	906	2 555	37	95 506	
OTHER	240			128		128		4 752	
TOTAL-CHARD	5 219			3 589	906	2 683		100 258	
CHARLIE 089-05W6									
GETHING C	464	0.80	0.05	352	30	322	37	11 795	2 341
OTHER	176			114	6	108		4 118	
TOTAL-CHARLIE	640			466	36	430		15 913	
CHARLOTTE LAKE 060-04W4									
COLONY G	885	0.65	0.05	546	397	149	38	5 683	2 801
COLONY A	584	0.65	0.05	361			38		4 298
GRAND RAPIDS A	3	0.55	0.05	2			37		150
COLONY A & GRD RAP A TOTAL	587	0.65	0.05	363	167	196	38	7 475	
OTHER	683			405	72	333		12 432	
TOTAL-CHARLOTTE LAKE	2 155			1 314	636	678		25 590	
CHARM 103-09W6									
TOTAL-CHARM	57			38		38		1 384	
CHARRON 069-16W4									
GRAND RAPIDS B	457	0.70	0.05	304	168	136	38	5 115	1 219
GROSMONT A	877	0.60	0.05	500	400	100	37	3 691	5 142
OTHER	1 479			854	140	714		26 512	
TOTAL-CHARRON	2 813			1 658	708	950		35 318	
CHAUVIN 043-01W4									
TOTAL-CHAUVIN	618			408	4	404		13 917	
CHAUVIN SOUTH 042-02W4									
TOTAL-CHAUVIN SOUTH	2 051			1 347	353	994		34 110	
CHEDDERVILLE 037-07W5									
LEDUC A	2 078	0.60	0.15	1 060	734	326	39	12 675	1 482
LEDUC B	1 123	0.80	0.10	808	130	678	39	26 612	200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.65		1966	1987	TCPL PART OF GLAUC POOL NO.4 GAS PRODUCED BEFORE OIL DISCOVERED
2.53	0.151	0.50	10 900	38	0.799	0.65	1 195.0	1973	1985	
0.73	0.151	0.50	10 900	38	0.799	0.65	1 269.7	1973	1984	
0.94	0.151	0.50	10 900	38	0.799	0.65	1 287.3	1973	1985	CONCURRENT PRODUCTION
						0.65		1973	1985	CONCURRENT PRODUCTION
								1973	1985	TCPL CONCURRENT PRODUCTION
14.87	0.080	0.85	29 790	110	0.978	0.66	3 398.8	1973	1974	TCPL
0.72	0.251	0.50	1 790	15	0.963	0.55	207.7	1979	1988	
0.65	0.272	0.45	1 740	7	0.960	0.55	257.4	1978	1988	
0.45	0.258	0.50	1 550	10	0.949	0.69	259.6	1986	1988	
5.04	0.302	0.75	1 730	16	0.965	0.55	244.7	1957	1988	
3.14	0.270	0.75	1 780	18	0.964	0.55	315.2	1980	1988	
1.66	0.302	0.65	1 730	18	0.965	0.55	222.3	1979	1988	
1.09	0.265	0.55	1 420	9	0.968	0.55	211.7	1984	1988	
1.19	0.270	0.60	1 570	10	0.965	0.55	324.0	1985	1988	
1.60	0.300	0.45	1 640	16	0.966	0.55	209.2	1985	1988	
1.05	0.307	0.65	1 750	8	0.961	0.55	310.4	1985	1988	
1.16	0.300	0.55	1 680	16	0.966	0.55	255.7	1986	1988	
								1957	1988	PANALTA SOQUIP TCPL PARAMT
2.03	0.205	0.65	7 170	39	0.891	0.60	1 070.9	1979	1988	PROGAS CWNGNUL
1.88	0.300	0.75	2 430	12	0.945	0.57	333.9	1967	1988	MATERIAL BALANCE
2.50	0.295	0.75	2 350	14	0.948	0.57	345.6	1964	1988	
0.70	0.230	0.50	2 600	15	0.946	0.56	370.1	1983	1988	
								1964	1988	
1.78	0.337	0.75	2 270	12	0.951	0.56	284.3	1978	1988	CWNGNUL PANALTA TCPL PRODUCTION DECLINE
7.57	0.141	0.75	2 620	23	0.951	0.57	463.6	1974	1986	TCPL PRODUCTION DECLINE
11.47	0.063	0.90	30 430	134	0.986	0.71	3 555.0	1967	1987	PANALTA
47.00	0.060	0.90	28 940	110	0.971	0.64	3 631.7	1987	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
CHEDDERVILLE 037-07W5 (CONTINUED)									
TOTAL-CHEDDERVILLE	3 201			1 868	864	1 004		39 287	
CHERHILL 056-05W5									
BANFF F SOLN	635	0.65	0.20	330	24	306	40	12 246	
BANFF A SOLN	1 008	0.40	0.75	101[b]			40		
BANFF A ASSOC	365	0.85	0.10	279[b]	54[b]	326	40	12 965	448
BANFF H ASSOC	261	0.70	0.10	165[b]			39		329
BANFF H SOLN	193	0.65	0.10	113[b]			39		
BANFF H ASSOC	2	0.70	0.10	1[b]			39		5
BANFF H ASSOC	133	0.70	0.10	84[b]			39		253
BANFF H ASSOC	85	0.70	0.10	54[b]			40		176
BANFF H TOTAL	674	0.70	0.10	417[b]	151[b]	266	39	10 478	
OTHER	2 583			1 658	246	1 412		54 594	
TOTAL-CHERHILL	5 265			2 785	475	2 310		90 283	
CHERPETA 074-19W4									
TOTAL-CHERPETA	918			513		513		18 923	
CHERRY (SA) 009-13W4									
TOTAL-CHERRY	65			47		47		1 581	
CHICKADEE 062-16W5									
GETHING D ASSOC	1 134	0.80	0.10	816	132	684	39	26 861	2 121
GETHING A	1 262	0.75	0.10	852	161	691	39	26 645	2 442
GETHING G	436	0.80	0.10	314	20	294	40	11 728	850
OTHER	912			602	68	534		20 917	
TOTAL-CHICKADEE	3 744			2 584	381	2 203		86 151	
CHICKEN 061-07W6									
TOTAL-CHICKEN	387			259	10	249		9 834	
CHIGWELL 041-24W4									
MANNVILLE A	790	0.80	0.10	569	569	< 1	39	-	694
MANNVILLE J	1 629	0.75	0.10	1 100	114	986	39	38 533	1 241
OTHER	4 089			2 511	394	2 117		83 109	
TOTAL-CHIGWELL	6 508			4 180	1 077	3 103		121 642	
CHIGWELL NORTH 042-24W4									
TOTAL-CHIGWELL NORTH	92			60		60		2 393	
CHIME (SA) 061-05W6									
TOTAL-CHIME	940			672		672		26 778	
CHIN COULEE 007-14W4									
TOTAL-CHIN COULEE	117			51	8	43		1 383	
CHINCHAGA 097-06W6									
SLAVE POINT A	1 389	0.80	0.10	1 000	210	790	38	30 225	1 638
OTHER	337			232		232		8 938	
TOTAL-CHINCHAGA	1 726			1 232	210	1 022		39 163	
CHINCHAGA NORTH 098-07W6									
DEBOLT-DETRITAL A	800	0.80	0.05	608	423	185	37	6 838	2 622
OTHER	218			149		149		5 527	
TOTAL-CHINCHAGA NORTH	1 018			757	423	334		12 365	
CHINOOK 029-08W4									
BELLY RIVER A	367	0.87	0.05	303	292	11	37	406	4 403
OTHER	434			279	48	231		8 547	
TOTAL-CHINOOK	801			582	340	242		8 953	
CHINOOK RIDGE (SA) 065-13W6									
CADOTTE 12-065-13	841	0.90	0.10	681		681	39	26 838	440
NOTIKEWIN 12-065-13	645	0.90	0.10	523		523	39	20 449	250
U BELLOY 11-065-13	749	0.80	0.25	449		449	37	16 541	200
OTHER	319			230		230		9 064	
TOTAL-CHINOOK RIDGE	2 554			1 883		1 883		72 892	
CHIP LAKE 053-10W5									
ROCK CREEK C	440	0.90	0.10	356	331	25	40	1 003	428
OTHER	180			108		108		4 572	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.68		1981	1987	
						0.71		1966	1988	CWNGNUL CONCURRENT PRODUCTION
5.06	0.181	0.70	10 910	41	0.777	0.71	1 299.8	1966	1988	CWNGNUL CONCURRENT PRODUCTION
5.28	0.184	0.70	10 810	48	0.821	0.66	1 357.9	1979	1988	CONCURRENT PRODUCTION
						0.66		1979	1988	CONCURRENT PRODUCTION
2.40	0.273	0.55	10 810	48	0.821	0.66	1 372.2	1979	1988	
3.03	0.213	0.70	10 810	48	0.821	0.66	1 348.3	1979	1988	
2.80	0.197	0.75	10 810	48	0.821	0.65	1 329.5	1979	1988	
								1979	1988	CONCURRENT PRODUCTION
4.59	0.147	0.60	14 000	76	0.864	0.64	1 856.7	1980	1987	CONCURRENT PRODUCTION
4.97	0.140	0.55	14 110	73	0.859	0.66	1 863.8	1978	1987	PROGAS
4.56	0.134	0.55	14 420	58	0.811	0.67	1 900.4	1977	1987	PANALTA PROGAS
7.38	0.170	0.65	11 530	64	0.834	0.70	1 571.2	1952	1985	
8.72	0.159	0.75	11 930	56	0.817	0.69	1 573.7	1977	1988	PANALTA
7.20	0.081	0.60	20 600	93	0.842	0.83	2 149.7	1973	1984	PANALTA MATERIAL BALANCE
3.78	0.204	0.65	5 770	28	0.896	0.58	691.7	1978	1986	PROGAS PANALTA
2.87	0.346	0.65	1 670	18	0.967	0.56	244.2	1972	1987	CWNGNUL MATERIAL BALANCE
7.09	0.200	0.70	22 750	98	0.906	0.67	2 807.1	1956	1981	BER
9.87	0.200	0.70	23 440	112	0.927	0.67	2 881.6	1956	1988	BER
19.80	0.120	0.65	37 510	150	1.040	0.69	4 303.0	1979	1983	BER
4.61	0.140	0.80	21 370	57	0.803	0.72	1 856.9	1950	1988	MATERIAL BALANCE NONCOMMERCIAL OIL

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
CHIP LAKE 053-10W5 (CONTINUED)									
TOTAL-CHIP LAKE	620			464	331	133		5 575	
CHIPMUNK (SA) 082-13W5									
TOTAL-CHIPMUNK	33			24		24		879	
CHISHOLM 068-01W5									
TOTAL-CHISHOLM	879			569	257	312		11 590	
CINDY 077-01W6									
TOTAL-CINDY	113			80	55	25		986	
CLAIR 073-05W6									
TOTAL-CLAIR	45			32		32		1 219	
CLARESHOLM 013-26W4									
TOTAL-CLARESHOLM	1 226			818	140	678		25 999	
CLAY 059-14W4									
VIKING A	1 138	0.40	0.05	432	1	431	37	15 844	19 603
OTHER	1 453			981	513	468		17 381	
TOTAL-CLAY	2 591			1 413	514	899		33 225	
CLAYHURST 083-05W6									
TOTAL-CLAYHURST	14			8		8		308	
CLEAR HILLS (SA) 088-11W6									
TOTAL-CLEAR HILLS	186			118		118		4 468	
CLEAR PRAIRIE 091-12W6									
TOTAL-CLEAR PRAIRIE	315			203		203		7 777	
CLEARWATER 035-12W5									
RUNDLE A	7 189	0.85	0.10	5 500	46	5 454	38	209 815	1 124
TOTAL-CLEARWATER	7 189			5 500	46	5 454		209 815	
CLIFFDALE (SA) 084-17W5									
TOTAL-CLIFFDALE	34			19		19		732	
CLIVE 040-24W4									
D-2 A POOL 1 ASSOC	158	0.85	0.15	114[b]			35		293
D-2 A POOL 1 SOLN	1 146	0.48	0.40	330[b]			35		
D-2 A POOL 2 ASSOC	76	0.85	0.25	49[b]			44		259
D-2 A POOL 3 ASSOC	935	0.85	0.35	517[b]			43		1 371
D-2 A POOL 4 ASSOC	3	0.85	0.25	2[b]			38		16
D-2 A TOTAL	2 318	0.65	0.35	1 012[b]	461[b]	551	39	21 621	
D-3 A ASSOC	165	0.85	0.30	98			42		420
D-3 A SOLN	2 077	0.66	0.35	891			42		
D-3 A POOL 2 ASSOC	378	0.85	0.30	225			42		516
D-3 A POOL 3 ASSOC	381	0.85	0.30	227			40		451
D-3 A POOL 4 ASSOC	102	0.85	0.30	61			42		314
D-3 A TOTAL	3 103	0.70	0.35	1 502	674	828	42	34 611	
OTHER	2 323			1 519	257	1 262		47 975	
TOTAL-CLIVE	7 744			4 033	1 392	2 641		104 207	
CLOUSTON (SA) 071-24W5									
TOTAL-CLOUSTON	68			46		46		1 766	
CLOVER 061-17W5									
TOTAL-CLOVER	215			149	36	113		4 373	
CLYDE LAKE 073-10W4									
TOTAL-CLYDE LAKE	55			34		34		1 268	
CLYDEN 075-13W4									
TOTAL-CLYDEN	336			207		207		7 653	
COALDALE 008-20W4									
TOTAL-COALDALE	607			339	234	105		3 672	
CODDIN (SA) 088-19W5									
TOTAL-CODDIN	7			5		5		183	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.03	0.253	0.50	4 180	18	0.917	0.57	454.4	1949	1988	MIP PANALTA PART OF VIK POOL NO.6
40.28	0.066	0.90	35 250	94	1.022	0.62	4 259.0	1980	1988	
5.79	0.065	0.85	17 100	67	0.847	0.75	1 850.7	1951	1988	CONING GAS CAP
						0.75		1951	1988	CONING GAS CAP
2.66	0.063	0.85	17 090	67	0.693	0.90	1 834.0	1951	1984	
6.20	0.062	0.85	17 070	67	0.684	0.89	1 850.2	1951	1986	
2.13	0.063	0.85	17 060	67	0.772	0.83	1 883.7	1951	1984	
								1951	1988	TCPL PANALTA CONING GAS CAP
4.10	0.056	0.85	17 570	67	0.728	0.83	1 879.2	1952	1986	
						0.83		1952	1986	
7.62	0.056	0.85	17 600	67	0.728	0.83	1 912.6	1952	1986	
8.16	0.056	0.85	17 570	57	0.697	0.90	1 881.5	1952	1986	
3.39	0.056	0.85	17 550	67	0.728	0.83	1 874.0	1952	1986	
								1952	1986	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
COLD LAKE 063-02W4									
COLONY A	545	0.80	0.05	414	377	37	37	1 362	710
COLONY D	529	0.80	0.05	402	214	188	37	6 995	945
OTHER	378			215	101	114		4 138	
TOTAL-COLD LAKE	1 452			1 031	692	339		12 495	
COLEMAN 009-04W5									
RUNDLE A	4 717	0.75	0.35	2 300			37		1 274
PALLISER B	3 428	0.75	0.30	1 800			37		630
RUNDLE A & PALLISER B TOTAL	8 145	0.75	0.35	4 100	1 952	2 148	37	79 755	
TOTAL-COLEMAN	8 145			4 100	1 952	2 148		79 755	
COLINTON 064-20W4									
TOTAL-COLINTON	374			235	43	192		7 217	
COLORADO 090-04W6									
TOTAL-COLORADO	279			159	39	120		4 438	
COLT 058-24W5									
TOTAL-COLT	390			272	3	269		10 604	
COLUMBIA 046-16W5									
NISKU B	800	0.70	0.40	336	290	46	37	1 696	128
OTHER	739			533	15	518		20 361	
TOTAL-COLUMBIA	1 539			869	305	564		22 057	
COMPEER 033-02W4									
UPPER MANNVILLE A	376	0.85	0.05	304	89	215	37	7 979	944
OTHER	323			237	150	87		3 318	
TOTAL-COMPEER	699			541	239	302		11 297	
COMREY 001-07W4									
BOW ISLAND	734	0.80	0.05	558	545	13	37	476	2 447
OTHER	516			349	139	210		7 689	
TOTAL-COMREY	1 250			907	684	223		8 165	
CONKLIN (SA) 075-07W4									
TOTAL-CONKLIN	55			31		31		1 148	
CONNEMARA 016-27W4									
RUNDLE 04-016-27	498	0.90	0.15	381		381	37	14 249	200
OTHER	43			20		20		745	
TOTAL-CONNEMARA	541			401		401		14 994	
CONNORSVILLE 025-15W4									
MILK RIVER A	1 017	0.70	0.05	676			36		16 500
MEDICINE HAT A	2 827	0.70	0.03	1 920			36		25 598
SE ALTA GAS SYS(MU) TOTAL	3 844	0.70	0.05	2 596	83	2 513	36	91 649	
VIKING A	527	0.60	0.05	300	144	156	38	5 875	2 506
GLAUCONITIC A	303	0.85	0.10	232			39		440
GLAUCONITIC B	31	0.75	0.05	22			38		128
GLAUCONITIC C	236	0.75	0.05	168			38		738
GLAUCONITIC E	206	0.75	0.10	140			39		150
GLAUCONITIC I	32	0.75	0.10	22			39		150
ELLERSLIE A	3 820	0.80	0.10	2 750			39		9 732
GLAUC ABCEI & ELERS A TOTAL	4 628	0.80	0.10	3 334	1 451	1 883	39	73 719	
OTHER	892			619	150	469		17 790	
TOTAL-CONNORSVILLE	9 891			6 849	1 828	5 021		189 033	
CONRAD 005-15W4									
TOTAL-CONRAD	13			9		9		310	
COOKING LAKE 052-22W4									
TOTAL-COOKING LAKE	140			91	9	82		2 967	
CORAL 046-05W5									
TOTAL-CORAL	235			156		156		5 814	
CORBETT 061-07W5									
VIKING A	551	0.90	0.05	471	438	33	39	1 273	1 662
OTHER	336			220	14	206		7 929	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.60	0.310	0.70	2 300	20	0.955	0.57	269.1	1952	1983	LOC U MATERIAL BALANCE
2.27	0.310	0.70	2 300	18	0.954	0.56	270.1	1952	1980	LOC U MATERIAL BALANCE
27.86	0.050	0.80	31 600	67	0.851	0.76	3 043.4	1969	1986	MATERIAL BALANCE
41.70	0.050	0.80	33 700	102	0.958	0.70	3 605.0	1969	1984	MATERIAL BALANCE
								1969	1984	A&S
17.00	0.098	0.85	59 770	127	1.170	0.81	4 213.5	1980	1988	PANALTA CNG PRODUCTION DECLINE
3.01	0.271	0.65	6 890	26	0.873	0.59	865.8	1956	1987	MIP
5.86	0.250	0.50	5 340	27	0.902	0.59	755.3	1952	1987	CMG PRODUCTION DECLINE
12.19	0.120	0.85	20 820	68	0.867	0.71	2 288.1	1956	1979	PROGAS
2.44	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.56	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	CWNGNUL CNG PROGAS TCPL PANALTA
2.23	0.210	0.65	7 570	36	0.872	0.60	926.3	1956	1980	TCPL PANALTA MATERIAL BALANCE
6.17	0.170	0.60	9 260	29	0.796	0.66	1 064.7	1963	1982	PART OF ELRSL POOL NO.1
2.70	0.200	0.45	9 310	40	0.850	0.61	1 102.5	1964	1984	PART OF ELRSL POOL NO.1
1.85	0.250	0.65	9 340	29	0.826	0.61	1 073.8	1975	1976	PART OF ELRSL POOL NO.1
11.30	0.190	0.60	9 690	42	0.821	0.66	1 069.7	1976	1988	PART OF ELRSL POOL NO.1
2.90	0.100	0.70	9 220	35	0.816	0.65	1 131.9	1987	1988	PART OF ELRSL POOL NO.1
3.68	0.172	0.55	9 720	35	0.796	0.67	1 116.7	1963	1988	PART OF ELRSL POOL NO.1
								1963	1988	PANALTA PROGAS TCPL PART OF ELRSL POOL NO.1
2.06	0.200	0.55	8 270	44	0.856	0.64	1 024.2	1971	1982	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
CORBETT 061-07W5 (CONTINUED)									
TOTAL-CORBETT	887			691	452	239		9 202	
CORDEL 042-16W5									
TURNER VALLEY 2042-16	1 412	0.50	0.15	601		601	39	23 217	400
TURNER VALLEY 1042-16	1 101	0.50	0.15	469		469	39	18 117	600
TOTAL-CORDEL	2 513			1 070		1 070		41 334	
CORNER 080-09W4									
TOTAL-CORNER	6			3		3		112	
CORNWALL 070-26W5									
TOTAL-CORNWALL	265			185		185		6 768	
CORRIN 061-13W4									
VIKING A	875	0.40	0.05	333		333	37	12 191	6 708
OTHER	631			414	48	366		13 302	
TOTAL-CORRIN	1 506			747	48	699		25 493	
COSWAY 030-26W4									
TOTAL-COSWAY	261			174	39	135		5 285	
COUNTESS 020-16W4									
MILK RIVER A	8 857	0.70	0.05	5 890			36		77 352
MEDICINE HAT A	11 296	0.70	0.03	7 670			36		106 441
MEDICINE HAT C	214	0.50	0.03	104			36		6 865
MEDICINE HAT D	124	0.50	0.03	60			36		4 304
SECOND WHITE SPECKS A	705	0.80	0.05	536			36		5 363
SE ALTA GAS SYS (MU) TOTAL	21 196	0.70	0.05	14 260	957	13 303	36	485 160	
BOW ISLAND A	1 079	0.65	0.05	666	516	150	37	5 582	7 559
BASAL COLORADO A	5 170	0.91	0.05	4 470	4 315	155	37	5 723	14 468
UPPER MANNVILLE D SOLN	556	0.50	0.25	209[b]			37		
UPPER MANNVILLE D ASSOC	364	0.75	0.10	246[b]	440[b]	15	37	559	440
UPPER MANNVILLE S	460	0.80	0.05	350	282	68	39	2 637	665
GLAUCONITIC III	1 791	0.80	0.10	1 290			39		5 889
UPPER MANNVILLE LL	70	0.75	0.10	48			39		150
GLAUC III&U MANN LL TOTAL	1 861	0.80	0.10	1 338	526	812	39	31 457	
OTHER	6 682			4 102	1 525	2 577		97 411	
TOTAL-COUNTESS	37 368			25 641	8 561	17 080		628 529	
COUTTS 001-16W4									
TOTAL-COUTTS	142			91		91		3 421	
COWLICK (SA) 058-06W6									
TOTAL-COWLICK	220			152		152		5 804	
COYOTE 028-15W4									
TOTAL-COYOTE	730			469	185	284		10 894	
CRAIGEND 064-13W4									
VIKING A	9 473	0.40	0.05	3 600	12	3 588	37	132 361	71 292
GRAND RAPIDS A	989	0.70	0.05	657	381	276	37	10 284	8 180
GRAND RAPIDS H	483	0.75	0.05	344	134	210	37	7 818	252
GRAND RAPIDS P	580	0.65	0.05	358	141	217	37	7 960	1 052
MCMURRAY C	1 578	0.60	0.05	900	592	308	37	11 297	12 862
GROSMONT A	5 380	0.45	0.05	2 300	2 152	148	37	5 492	36 190
OTHER	7 636			4 710	1 917	2 793		103 439	
TOTAL-CRAIGEND	26 119			12 869	5 329	7 540		278 651	
CRAIGMYLE 032-17W4									
BELLY RIVER A	475	0.75	0.05	338	25	313	37	11 446	3 415
OTHER	2 265			1 460	397	1 063		40 339	
TOTAL-CRAIGMYLE	2 740			1 798	422	1 376		51 785	
CRANBERRY 096-04W6									
BLSK-DETR-DBLT A	2 587	0.70	0.05	1 720	577	1 143	36	41 662	5 411
SLAVE POINT A	14 256	0.85	0.15	10 300	2 739	7 561	40	303 650	26 994
SLAVE POINT B	1 024	0.75	0.15	653	546	107	41	4 428	1 036

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
12.15	0.085	0.80	29 290	106	0.977	0.63	3 672.2	1979	1985	TCPL BER
10.14	0.053	0.80	29 660	97	0.970	0.63	3 545.9	1979	1984	TCPL BER
1.84	0.280	0.60	4 030	21	0.924	0.57	408.2	1949	1988	CNG PANALTA PART OF VIK POOL NO.6
4.52	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.46	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1988	PART OF MED HAT POOL NO.1
0.79	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.3
0.73	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.4
1.70	0.216	0.60	5 690	27	0.904	0.56	737.9	1939	1987	PART OF 2WS POOL NO.1
								1904	1988	PANALTA PROGAS TCPL KANNGAZ
1.66	0.183	0.60	7 310	31	0.873	0.59	888.7	1951	1988	TCPL
1.19	0.182	0.70	8 470	37	0.868	0.60	1 062.4	1951	1980	TCPL MATERIAL BALANCE
						0.63		1967	1988	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
2.60	0.268	0.65	11 000	35	0.819	0.63	1 049.5	1967	1988	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.69	0.240	0.75	10 420	49	0.841	0.64	1 279.2	1972	1986	TCPL KANNGAZ MATERIAL BALANCE
2.75	0.180	0.55	10 000	39	0.816	0.66	1 214.1	1954	1988	TCPL PART OF GLAUC POOL NO.6
6.90	0.150	0.40	10 000	38	0.817	0.65	1 218.3	1984	1986	PART OF GLAUC POOL NO.6
								1954	1988	TCPL PART OF GLAUC POOL NO.6
2.53	0.270	0.55	3 350	16	0.932	0.57	338.1	1949	1988	CWNGNUL CNG PANALTA TCPL MIP PROGAS PART OF VIK POOL NO.6
2.07	0.300	0.70	2 710	20	0.946	0.57	386.2	1962	1983	CWNGNUL PANALTA TCPL
8.11	0.300	0.60	2 620	25	0.952	0.56	387.3	1969	1982	PANALTA MATERIAL BALANCE
6.90	0.295	0.80	2 420	18	0.952	0.56	369.2	1967	1986	PANALTA TCPL MATERIAL BALANCE
2.37	0.250	0.60	2 930	26	0.947	0.57	529.7	1953	1983	CNG PANALTA TCPL CWNGNUL MATERIAL BALANCE
9.90	0.105	0.55	2 830	25	0.948	0.56	504.3	1961	1985	CWNGNUL TCPL PRODUCTION DECLINE
3.04	0.262	0.55	3 070	19	0.941	0.56	578.7	1951	1988	TCPL ATCOR
7.86	0.172	0.30	5 500	30	0.907	0.58	750.0	1973	1987	PART OF BLSKY-DETR-DBLT NO.1 MATERIAL BALANCE
5.78	0.070	0.65	21 300	90	0.831	0.83	2 255.2	1974	1987	TCPL PANALTA PROGAS
5.23	0.051	0.60	21 470	89	0.818	0.84	2 292.1	1980	1987	PROGAS PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
CRANBERRY 096-04W6 (CONTINUED)									
GILWOOD 096-04	618	0.80	0.10	444		444	38	17 023	797
OTHER	469			312		312		11 713	
TOTAL-CRANBERRY	18 954			13 429	3 862	9 567		378 476	
CRANFORD 008-19W4									
TOTAL-CRANFORD	109			71	67	4		139	
CRESSDAY (SA) 003-01W4									
TOTAL-CRESSDAY	62			45		45		1 665	
CROOKED 069-23W4									
TOTAL-CROOKED	551			357	40	317		11 761	
CROSSFIELD 026-01W5									
BASAL QUARTZ A	1 543	0.92	0.19	1 150	960	190	40	7 589	4 175
BASAL QUARTZ C	1 831	0.70	0.15	1 090	524	566	40	22 374	762
BASAL QUARTZ G	472	0.90	0.15	361	254	107	41	4 378	150
RUNDLE A	31 235	0.92	0.13	25 000	21 235	3 765	40	150 901	13 449
RUNDLE B	31 096	0.92	0.21	22 600	20 210	2 390	40	95 743	8 584
RUNDLE F	2 103	0.85	0.15	1 520	985	535	40	21 528	1 654
RUNDLE H	428	0.90	0.15	327	321	6	40	240	200
RUNDLE I	649	0.85	0.15	469	384	85	40	3 409	431
ELKTON 12-029-02	549	0.85	0.15	397		397	40	15 936	400
WABAMUN A	37 500	0.75	0.52	13 500	10 794	2 706	36	98 634	29 146
OTHER	3 578			1 233	317	916		36 422	
TOTAL-CROSSFIELD	110 984			67 647	55 984	11 663		457 154	
CROSSFIELD EAST 029-01W5									
BASAL QUARTZ A	374	0.90	0.10	303	97	206	38	7 898	631
ELKTON A SOLN	207	0.60	0.20	99[b]			41		
ELKTON A ASSOC	1 540	0.90	0.12	1 220[b]	1 292[b]	27	41	1 103	1 149
ELKTON D SOLN	516	0.60	0.25	233[b]			42		
ELKTON D ASSOC	1 675	0.95	0.12	1 400[b]	1 137[b]	496	42	20 812	685
ELKTON C	859	0.85	0.10	657	523	134	40	5 400	440
WABAMUN A	33 333	0.80	0.55	12 000	9 393	2 607	36	95 129	21 867
WABAMUN B	1 091	0.75	0.45	450	229	221	39	8 599	3 316
OTHER	1 050			646	159	487		19 431	
TOTAL-CROSSFIELD EAST	40 645			17 008	12 830	4 178		158 372	
CROW (SA) 004-12W4									
TOTAL-CROW	24			16		16		567	
CRYSTAL 046-03W5									
VIKING A SOLN	1 343	0.35	0.15	400	292	108	42	4 483	
VIKING A ASSOC	1 384	0.65	0.15	765		765	42	31 755	2 707
OTHER	457			289		289		11 385	
TOTAL-CRYSTAL	3 184			1 454	292	1 162		47 623	
CULP 079-24W5									
DEBOLT B 078-24	556	0.85	0.10	426		426	38	16 128	1 185
OTHER	872			615		615		23 644	
TOTAL-CULP	1 428			1 041		1 041		39 772	
CUTBANK 064-09W6									
TOTAL-CUTBANK	860			597		597		23 448	
CUTPICK (SA) 060-07W6									
TOTAL-CUTPICK	77			56		56		2 242	
CYGNET 037-28W4									
TOTAL-CYGNET	2 394			1 471	87	1 384		55 902	
CYN-PEM 051-11W5									
ROCK CREEK A	1 070	0.75	0.10	723	276	447	39	17 536	2 645
OTHER	3 003			1 680	197	1 483		59 335	
TOTAL-CYN-PEM	4 073			2 403	473	1 930		76 871	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.07	0.130	0.55	19 550	82	0.885	0.64	2 320.9	1975	1979	PANALTA PROGAS
2.62	0.124	0.70	16 720	71	0.837	0.71	2 231.9	1957	1987	TCPL PRODUCTION DECLINE
5.36	0.112	0.65	17 190	70	0.847	0.68	2 115.2	1966	1988	PRODUCTION DECLINE
3.39	0.130	0.70	26 820	71	0.864	0.76	2 562.3	1965	1988	PRODUCTION DECLINE
11.75	0.115	0.90	22 900	81	0.875	0.71	2 560.7	1956	1988	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
20.72	0.084	0.85	21 110	71	0.830	0.76	2 263.7	1957	1988	TCPL MATERIAL BALANCE
8.20	0.111	0.75	22 720	83	0.874	0.72	2 503.6	1970	1986	A&S MATERIAL BALANCE
12.65	0.115	0.90	22 900	79	0.861	0.75	2 560.3	1961	1988	A&S TCPL PRODUCTION DECLINE
9.39	0.087	0.60	20 880	80	0.865	0.70	2 325.0	1972	1987	TCPL PRODUCTION DECLINE
7.05	0.116	0.80	22 020	75	0.858	0.71	2 520.0	1978	1988	PROGAS KANNGAZ
9.30	0.057	0.85	25 030	74	0.752	0.87	2 590.8	1954	1985	TCPL PRODUCTION DECLINE
2.41	0.154	0.80	19 890	60	0.852	0.63	2 305.8	1964	1987	TCPL
						0.74		1960	1979	TCPL CONCURRENT PRODUCTION
9.77	0.085	0.80	20 860	77	0.840	0.74	2 268.9	1960	1979	TCPL CONCURRENT PRODUCTION
						0.76		1961	1987	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
9.44	0.106	0.85	20 910	77	0.824	0.76	2 307.9	1961	1987	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
14.89	0.090	0.80	19 140	77	0.849	0.70	2 313.1	1968	1988	TCPL PRODUCTION DECLINE
9.52	0.054	0.85	24 990	83	0.722	0.98	2 670.5	1960	1986	PANALTA PROGAS TCPL MATERIAL BALANCE
8.90	0.063	0.85	24 890	74	0.741	0.91	2 647.8	1959	1981	TCPL MATERIAL BALANCE
						0.75		1976	1988	PROGAS TCPL PSR KANNGAZ
5.18	0.124	0.70	10 070	52	0.775	0.75	1 661.5	1976	1988	PROGAS TCPL PSR KANNGAZ
5.01	0.140	0.50	12 590	49	0.831	0.64	1 140.6	1973	1978	PANALTA
3.46	0.098	0.70	17 500	76	0.837	0.71	2 248.5	1973	1988	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
CYPRESS (SA) 007-01W4									
TOTAL-CYPRESS	13			8		8		290	
CZAR 041-05W4									
TOTAL-CZAR	412			264		264		9 795	
DALEHURST 053-23W5									
TOTAL-DALEHURST	78			56		56		2 172	
DALEMEAD (SA) 022-26W4									
TOTAL-DALEMEAD	62			39		39		1 469	
DAPP 062-26W4									
TOTAL-DAPP	84			58	42	16		598	
DARWELL (SA) 054-05W5									
TOTAL-DARWELL	29			19		19		702	
DARWIN 094-18W5									
TOTAL-DARWIN	500			247		247		9 241	
DAVEY 034-27W4									
BELLY RIVER A	520	0.75	0.05	371	326	45	37	1 673	3 846
OTHER	1 287			740	77	663		24 473	
TOTAL-DAVEY	1 807			1 111	403	708		26 146	
DAVID 041-03W4									
TOTAL-DAVID	167			108	5	103		3 788	
DAWSON 080-16W5									
TOTAL-DAWSON	413			257		257		9 559	
DEADMAN (SA) 082-19W4									
TOTAL-DEADMAN	32			17		17		646	
DEADWOOD 091-23W5									
TOTAL-DEADWOOD	119			79	43	36		1 288	
DEANNE 038-11W5									
TOTAL-DEANNE	339			238	40	198		8 106	
DECRENE 071-02W5									
CLEARWATER A	864	0.75	0.05	616	181	435	37	16 269	3 475
CLEARWATER B	427	0.80	0.05	325		325	38	12 269	3 793
OTHER	672			429	130	299		11 054	
TOTAL-DECRENE	1 963			1 370	311	1 059		39 592	
DEEP 065-03W5									
TOTAL-DEEP	74			49		49		1 846	
DEER 024-07W4									
TOTAL-DEER	456			293		293		10 779	
DELIA 032-18W4									
BELLY RIVER A	1 442	0.70	0.05	959	478	481	37	17 686	6 149
BELLY RIVER M	613	0.80	0.05	466	224	242	37	8 942	4 098
OTHER	1 666			1 036	97	939		34 796	
TOTAL-DELIA	3 721			2 461	799	1 662		61 424	
DEMAY 048-19W4									
TOTAL-DEMAY	113			72	16	56		2 108	
DERWENT 054-07W4									
TOTAL-DERWENT	327			217	8	209		7 711	
DESMARAIS 080-25W4									
TOTAL-DESMARAIS	73			45		45		1 679	
DETLOFF 081-10W6									
TOTAL-DETLOFF	65			44		44		1 710	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.69	0.170	0.65	4 090	43	0.931	0.61	1 121.1	1974	1985	CWNGNUL KANNGAZ PROGAS TCPL MATERIAL BALANCE
3.43	0.274	0.60	4 340	30	0.924	0.56	543.4	1976	1988	PANALTA
1.48	0.269	0.60	4 390	20	0.904	0.60	550.0	1975	1986	PANALTA ATCOR
5.37	0.239	0.55	3 240	22	0.940	0.56	639.4	1976	1988	PANALTA SLPETRO TCPL CEL PSR
4.17	0.227	0.50	3 100	23	0.942	0.56	593.5	1979	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
DEVENISH 075-08W4									
TOTAL-DEVENISH	74			38		38		1 384	
DEVIL 071-15W5									
TOTAL-DEVIL	67			45		45		1 693	
DEWBERRY 053-04W4									
TOTAL-DEWBERRY	233			164		164		6 008	
DIAMOND (SA) 010-21W4									
TOTAL-DIAMOND	60			43		43		1 635	
DICKINS (SA) 120-05W6									
TOTAL-DICKINS	17			12		12		439	
DIMSDALE 071-07W6									
PADDY A	2 210	0.80	0.05	1 680		1 680	38	64 109	1 608
PADDY 30-071-06	478	0.80	0.10	344		344	38	13 189	200
OTHER	212			154		154		6 057	
TOTAL-DIMSDALE	2 900			2 178		2 178		83 355	
DINA 045-01W4									
TOTAL-DINA	458			305		305		10 996	
DINANT 047-19W4									
TOTAL-DINANT	407			270	51	219		7 989	
DIVIDE 082-13W4									
TOTAL-DIVIDE	348			202	55	147		5 457	
DIXONVILLE 086-01W6									
BLUESKY A	594	0.70	0.05	395	347	48	37	1 766	1 789
BLUESKY B	104	0.70	0.05	69			37		2 145
GETHING A	815	0.80	0.05	619			37		2 521
BLUESKY B & GETHING A TOTAL	919	0.80	0.05	688	447	241	37	9 021	
OTHER	1 501			990	210	780		28 884	
TOTAL-DIXONVILLE	3 014			2 073	1 004	1 069		39 671	
DIZZY (SA) 121-20W5									
TOTAL-DIZZY	133			90		90		3 368	
DOBSON 029-09W4									
TOTAL-DOBSON	485			323	111	212		7 744	
DOE 081-12W6									
TOTAL-DOE	651			385	230	155		5 895	
DOIG 090-11W6									
TOTAL-DOIG	130			86		86		3 221	
DOLCY 041-04W4									
TOTAL-DOLCY	138			91		91		3 210	
DONALDA 041-18W4									
VIKING A		0.74	0.05				37		2 540
VIKING C		0.74	0.05				37		5 908
VIKING D		0.74	0.05				36		525
VIKING A,C & D TOTAL	622	0.75	0.05	437	410	27	37	994	
OTHER	1 958			1 304	287	1 017		37 772	
TOTAL-DONALDA	2 580			1 741	697	1 044		38 766	
DORENLEE 043-20W4									
TOTAL-DORENLEE	175			107	48	59		2 166	
DORIS 063-06W5									
UPPER MANNVILLE A	497	0.85	0.10	380	7	373	40	14 778	771
OTHER	325			245	9	236		8 839	
TOTAL-DORIS	822			625	16	609		23 617	
DOSBURN (SA) 001-03W4									
TOTAL-DOSBURN	43			30		30		1 110	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.45	0.211	0.85	10 490	57	0.879	0.58	1 369.1	1980	1987	PROGAS
12.90	0.217	0.80	10 630	56	0.861	0.61	1 348.6	1986	1988	
1.30	0.220	0.55	6 410	35	0.898	0.58	766.6	1958	1985	CWNGNUL PANALTA TCPL PRODUCTION DECLINE
0.64	0.220	0.55	6 070	33	0.903	0.56	727.9	1952	1986	
3.80	0.212	0.65	6 020	34	0.903	0.56	742.3	1952	1979	
								1952	1986	CWNGNUL PANALTA
1.31	0.140	0.55	6 280	42	0.908	0.58	997.4	1960	1986	
2.05	0.200	0.55	6 280	42	0.908	0.58	1 008.4	1957	1986	PRODUCTION DECLINE
0.91	0.157	0.55	6 280	42	0.912	0.58	1 037.5	1960	1986	PRODUCTION DECLINE
								1957	1986	CNG TCPL
3.87	0.240	0.70	9 000	39	0.828	0.64	982.4	1972	1975	PANALTA TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
DOUCETTE 078-02W5									
WABISKAW A 077-02	552	0.80	0.05	420		420	37	15 737	2 670
OTHER	98			64		64		2 381	
TOTAL-DOUCETTE	650			484		484		18 118	
DOWLING LAKE 032-15W4									
TOTAL-DOWLING LAKE	357			250	68	182		6 958	
DRIFTPILE (SA) 073-12W5									
TOTAL-DRIFTPILE	43			28		28		1 047	
DRIFTWOOD 077-22W4									
TOTAL-DRIFTWOOD	343			205		205		7 571	
DROWNED 076-23W4									
TOTAL-DROWNED	495			315	182	133		4 953	
DRUMHELLER 029-19W4									
MANNVILLE F SOLN	20	0.65	0.10	12[b]			39		
MANNVILLE F ASSOC	977	0.90	0.10	791[b]	291[b]	512	39	20 091	1 898
MANNVILLE G	401	0.85	0.10	307	121	186	39	7 217	842
MANNVILLE M	396	0.80	0.05	301	279	22	40	870	440
MANNVILLE W	485	0.80	0.10	349	281	68	38	2 612	440
MANNVILLE CC	667	0.80	0.10	481	128	353	38	13 541	1 914
OTHER	6 380			4 105	1 888	2 217		85 702	
TOTAL-DRUMHELLER	9 326			6 346	2 988	3 358		130 033	
DUAGH (SA) 055-23W4									
TOTAL-DUAGH	15			10		10		367	
DUHAMEL 045-21W4									
TOTAL-DUHAMEL	995			540	134	406		15 664	
DUNCAN 074-15W4									
MCMURRAY F	959	0.65	0.05	592	329	263	37	9 770	22 792
GROSMONT B	2 871	0.55	0.05	1 500	1 131	369	37	13 620	26 561
OTHER	560			300	1	299		11 049	
TOTAL-DUNCAN	4 390			2 392	1 461	931		34 439	
DUNSTABLE (SA) 057-01W5									
TOTAL-DUNSTABLE	67			45		45		1 767	
DUNVEGAN 081-04W6									
GETHING B	1 268	0.80	0.05	963	389	574	38	21 898	2 484
DEBOLT A	4 921	0.80	0.05	3 740			39		11 563
DEBOLT B	15 131	0.80	0.05	11 500			39		13 181
DEBOLT C	12 698	0.80	0.05	9 650			39		9 182
DEBOLT D	302	0.70	0.10	190			39		200
DEBOLT D	76	0.70	0.10	48			39		200
DEBOLT D	259	0.70	0.10	163			39		200
DEBOLT D	194	0.75	0.10	131			39		200
DEBOLT A,B,C & D TOTAL	33 581	0.80	0.05	25 422	14 452	10 970	39	423 552	
OTHER	3 909			2 701	704	1 997		76 045	
TOTAL-DUNVEGAN	38 758			29 086	15 545	13 541		521 495	
DUVERNAY 055-12W4									
VIKING A	1 741	0.40	0.05	661			37		39 203
VIKING M	60	0.40	0.05	23			37		1 780
VIKING A & M TOTAL	1 801	0.40	0.05	684	178	506	37	18 676	
COLONY B	1 742	0.60	0.05	993	135	858	37	32 106	4 920
OTHER	5 205			3 511	794	2 717		101 121	
TOTAL-DUVERNAY	8 748			5 188	1 107	4 081		151 903	
DYBERG 044-23W4									
TOTAL-DYBERG	464			317		317		11 880	
EAGLE BUTTE (SA) 007-04W4									
TOTAL-EAGLE BUTTE	615			437		437		16 046	
EAGLESHAM 077-25W5									
DEBOLT A	513	0.90	0.10	416		416	39	16 220	742
DEBOLT E	92	0.75	0.10	62			39		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.14	0.250	0.80	3 280	28	0.941	0.56	573.3	1973	1975	TCPL BER
						0.65		1950	1984	TCPL CONCURRENT PRODUCTION
3.02	0.204	0.75	9 990	40	0.815	0.65	1 284.3	1950	1984	TCPL CONCURRENT PRODUCTION
2.80	0.226	0.70	9 550	37	0.815	0.66	1 208.8	1964	1983	TCPL
2.47	0.170	0.65	9 380	38	0.810	0.66	1 340.2	1969	1988	TCPL PRODUCTION DECLINE
4.70	0.227	0.70	9 770	39	0.836	0.62	1 246.0	1973	1982	TCPL MATERIAL BALANCE
2.64	0.198	0.65	9 970	52	0.851	0.64	1 305.9	1976	1983	PANALTA TCPL
1.88	0.280	0.40	2 030	27	0.963	0.57	534.0	1971	1985	
9.89	0.120	0.30	2 050	27	0.963	0.57	576.9	1972	1988	PRODUCTION DECLINE
2.94	0.241	0.75	9 140	41	0.862	0.59	919.2	1971	1981	A&S DEEP CUT SL
3.35	0.141	0.60	13 840	49	0.814	0.65	1 440.0	1963	1985	DEEP CUT SL
7.03	0.174	0.60	14 380	49	0.812	0.65	1 462.2	1963	1984	DEEP CUT SL
7.21	0.191	0.60	15 350	49	0.810	0.65	1 497.7	1952	1984	DEEP CUT SL
8.99	0.130	0.75	15 910	49	0.816	0.63	1 538.2	1979	1981	DEEP CUT SL
5.73	0.110	0.35	15 910	49	0.817	0.63	1 546.6	1972	1981	DEEP CUT SL
8.32	0.140	0.65	15 910	49	0.821	0.62	1 532.2	1975	1981	DEEP CUT SL
9.50	0.120	0.55	14 700	54	0.826	0.63	1 535.3	1985	1988	DEEP CUT SL
								1963	1986	A&S DEEP CUT SL
0.88	0.242	0.50	3 930	18	0.921	0.57	454.1	1949	1988	PART OF VIK POOL NO.6
0.95	0.205	0.50	3 290	17	0.933	0.58	435.3	1972	1988	PART OF VIK POOL NO.6
								1949	1988	CWNGNUL PANALTA TCPL KANNGAZ PART OF VIK POOL NO.6
3.92	0.270	0.75	4 300	25	0.920	0.57	532.6	1972	1984	PANALTA TCPL CWNGNUL
3.35	0.180	0.75	14 410	57	0.812	0.67	1 368.6	1959	1973	PANALTA
2.74	0.140	0.75	15 410	58	0.829	0.64	1 412.0	1976	1982	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
EAGLESHAM 077-25W5 (CONTINUED)									
DEBOLT G	306	0.90	0.10	248			39		402
DEBOLT E & G TOTAL	398	0.85	0.10	310	95	215	39	8 303	
OTHER	1 462			1 036	235	801		30 358	
TOTAL-EAGLESHAM	2 373			1 762	330	1 432		54 881	
EAGLESHAM NORTH 078-25W5									
TOTAL-EAGLESHAM NORTH	192			137	65	72		2 662	
EARRING 083-08W6									
TOTAL-EARRING	1 439			991	44	947		36 108	
ECONOMY (SA) 068-01W6									
TOTAL-ECONOMY	52			35		35		1 353	
EDBERG 044-19W4									
TOTAL-EDBERG	263			170	6	164		6 026	
EDGERTON 045-04W4									
TOTAL-EDGERTON	1 219			822	315	507		18 090	
EDMONTON (SA) 053-23W4									
TOTAL-EDMONTON	37			23		23		865	
EDRA (SA) 099-24W4									
TOTAL-EDRA	105			70		70		2 442	
EDSON 052-18W5									
CARDIUM K ASSOC	6	0.65	0.10	4			42		64
CARDIUM K SOLN	1 027	0.65	0.15	568			42		
CARDIUM I,K,P & AAA TOTAL	1 033	0.65	0.15	572	409	163	42	6 851	
CARDIUM 06-051-18	398	0.85	0.10	304		304	40	12 099	200
VIKING A	824	0.85	0.10	630	605	25	40	994	440
VIKING B	3 704	0.75	0.10	2 500	816	1 684	39	66 282	5 314
VIKING D	1 568	0.85	0.10	1 200	641	559	39	21 907	1 306
GETHING A	6 750	0.80	0.05	5 130	3 803	1 327	40	53 239	4 029
ROCK CREEK A	544	0.90	0.10	441		441	41	17 953	200
ELKTON A		0.85	0.10				39		45 364
SHUNDA A		0.85	0.10				39		440
SHUNDA B		0.85	0.10				39		440
ELK A, SHUN A & B TOTAL	56 470	0.85	0.10	43 200	37 262	5 938	39	228 969	
OTHER	5 486			3 271	545	2 726		107 999	
TOTAL-EDSON	76 777			57 248	44 081	13 167		516 293	
EDWAND 060-16W4									
NISKU A	583	0.60	0.05	333	110	223	37	8 287	1 072
NISKU D	1 240	0.60	0.05	707	349	358	36	12 970	1 783
OTHER	4 805			3 184	1 140	2 044		76 379	
TOTAL-EDWAND	6 628			4 224	1 599	2 625		97 636	
ELIZA 055-08W4									
TOTAL-ELIZA	484			328		328		12 170	
ELK POINT 056-06W4									
TOTAL-ELK POINT	391			272	148	124		4 607	
ELKWATER (SA) 008-03W4									
TOTAL-ELKWATER	17			10		10		359	
ELLERSLIE 051-24W4									
TOTAL-ELLERSLIE	59			37	37				
ELLSCOTT 064-21W4									
TOTAL-ELLSCOTT	219			152	10	142		5 355	
ELMWORTH 070-11W6									
CADOTTE A	3 169	0.60	0.10	1 600	192	1 408	39	54 476	6 277
CADOTTE C	910	0.60	0.10	472	2	470	39	18 184	2 391
CADOTTE D	732	0.60	0.10	388	16	372	39	14 486	1 784
FALHER A-2	1 025	0.85	0.15	740			40		12 727
FALHER A-4	245	0.75	0.15	156			40		2 479
FALHER A-10	7 488	0.85	0.15	5 410			39		20 242

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.39	0.182	0.80	14 530	53	0.821	0.64	1 435.7	1952	1980	
								1952	1983	PANALTA
0.70	0.150	0.75	10 670	59	0.793	0.74	1 938.9	1972	1987	MU-SOLN CARDIUM I,K,P&AA
						0.74		1972	1987	MU-SOLN CARDIUM I,K,P&AA
								1972	1987	A&S TCPL
7.31	0.160	0.85	19 720	68	0.822	0.71	2 223.1	1976	1980	
3.70	0.130	0.60	39 210	83	1.046	0.65	2 802.9	1974	1988	TCPL PRODUCTION DECLINE DEEP CUT SL
2.51	0.127	0.80	22 150	87	0.890	0.66	2 509.3	1973	1985	PANALTA TCPL MATERIAL BALANCE
3.66	0.153	0.85	21 550	103	0.917	0.63	2 458.8	1966	1987	TCPL MATERIAL BALANCE
11.28	0.098	0.75	23 150	83	0.866	0.72	2 542.3	1963	1987	TCPL MATERIAL BALANCE
11.00	0.110	0.75	37 500	76	1.019	0.65	2 904.1	1977	1983	TCPL
6.25	0.104	0.90	26 600	102	0.951	0.65	2 840.1	1962	1984	PRODUCTION DECLINE
4.88	0.034	0.75	26 790	109	0.961	0.64	2 982.0	1964	1981	PRODUCTION DECLINE
4.88	0.040	0.80	26 810	103	0.955	0.64	3 027.7	1964	1981	PRODUCTION DECLINE
								1962	1981	TCPL KANNGAZ
3.43	0.160	0.75	3 440	23	0.936	0.56	647.6	1972	1983	TCPL PRODUCTION DECLINE
16.70	0.153	0.80	3 430	23	0.937	0.57	667.2	1972	1985	TCPL PANALTA MATERIAL BALANCE
3.98	0.094	0.65	12 870	64	0.862	0.61	1 853.4	1970	1985	PANALTA TCPL DEEP CUT SL
3.32	0.106	0.70	12 160	64	0.866	0.61	1 658.9	1978	1985	PANALTA TCPL DEEP CUT SL
4.38	0.095	0.70	12 700	64	0.858	0.62	1 793.6	1978	1986	PANALTA TCPL DEEP CUT SL
2.45	0.044	0.50	15 400	71	0.852	0.64	2 101.6	1977	1987	DEEP CUT SL
2.06	0.058	0.55	15 470	71	0.852	0.64	2 074.6	1978	1985	DEEP CUT SL
5.16	0.077	0.65	15 030	72	0.865	0.62	2 057.2	1977	1988	DEEP CUT SL/NON COMMERCIAL OIL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
ELMWORTH 070-11W6 (CONTINUED)									
FALHER B-1	3 460	0.85	0.15	2 500			39		12 007
FALHER C-2	56	0.75	0.15	36			40		250
FALHER C-3	43	0.75	0.20	26			38		250
FALHER A2,4,10,B1C2&3 TOTAL	12 317	0.85	0.15	8 868	4 286	4 582	39	179 248	
FALHER A-1	9 688	0.85	0.15	7 000			39		33 076
FALHER A-5	379	0.70	0.15	225			39		3 849
FALHER A-7	252	0.85	0.15	182			39		2 199
FALHER A-16	32	0.75	0.15	20			39		500
FALHER B-3	3 709	0.85	0.15	2 680			39		9 630
FALHER B-4	5 606	0.85	0.15	4 050			39		13 224
FALHER B-5	16	0.75	0.20	10			41		128
FALHER B-14	212	0.85	0.15	153			39		794
FALHER B-15	57	0.75	0.05	41			38		250
FALHER D-2	892	0.85	0.10	682			39		2 876
FALHER D-3	32	0.75	0.15	20			39		250
FALHER MU NO. 1 TOTAL	20 875	0.85	0.15	15 063	6 693	8 370	39	329 527	
FALHER 'A' CONG25-069-07	505	0.85	0.15	365		365	40	14 447	500
FALHER B-2	1 398	0.85	0.15	1 010	318	692	39	27 182	2 180
FALHER B-9	1 232	0.85	0.15	890	618	272	39	10 684	5 526
FALHER B-11	480	0.75	0.15	306	157	149	40	5 912	250
FALHER B-12	771	0.85	0.15	557	556	1	39	39	1 757
CADOMIN A	7 950	0.70	0.15	4 730	64	4 666	38	178 754	27 459
HALFWAY A	660	0.70	0.25	347		347	37	12 884	1 058
HALFWAY B	507	0.85	0.20	345		345	41	14 197	1 064
OTHER	13 817			8 682	608	8 074		316 491	
TOTAL-ELMWORTH	65 323			43 623	13 510	30 113		1 176 511	
ELNORA 035-22W4									
UPPER MANNVILLE A	610	0.75	0.05	435	315	120	38	4 525	4 004
OTHER	1 458			956	335	621		23 984	
TOTAL-ELNORA	2 068			1 391	650	741		28 509	
ELTHAM (SA) 018-26W4									
TOTAL-ELTHAM	26			13		13		476	
EMPRESS 024-02W4									
TOTAL-EMPRESS	183			128		128		4 668	
ENCHANT 014-16W4									
BOW ISLAND I	421	0.80	0.05	320	262	58	35	2 051	6 989
BASAL COLORADO A	780	0.85	0.05	630	563	67	38	2 513	4 500
UPPER MANNVILLE E	828	0.85	0.05	669	25	644	36	23 358	4 088
UPPER MANNVILLE L	499	0.90	0.10	404	31	373	37	13 760	1 830
UPPER MANNVILLE R	457	0.90	0.10	370	38	332	37	12 384	300
OTHER	5 141			3 499	1 191	2 308		82 226	
TOTAL-ENCHANT	8 126			5 892	2 110	3 782		136 292	
ENDIANG 035-16W4									
TOTAL-ENDIANG	831			556	245	311		11 839	
ENDONA (SA) 006-09W4									
TOTAL-ENDONA	18			13		13		494	
ENTICE 028-24W4									
BELLY RIVER P	562	0.60	0.05	320	245	75	37	2 742	1 247
BELLY RIVER B	687	0.90	0.05	587			37		3 359
BELLY RIVER K	624	0.90	0.05	534			36		7 401
BELLY RIVER B & K TOTAL	1 311	0.90	0.05	1 121	914	207	37	7 562	
OTHER	1 043			560	294	266		9 658	
TOTAL-ENTICE	2 916			2 001	1 453	548		19 962	
ERITH 048-17W5									
TOTAL-ERITH	446			325		325		13 225	
ERSKINE 039-21W4									
BLAIRMORE		0.80	0.10				39		433
BLAIRMORE		0.80	0.10				38		851
BLAIRMORE TOTAL	1 175	0.80	0.10	846	622	224	39	8 676	
D-3 SOLN	537	0.65	0.50	175[b]			37		
D-3 ASSOC	840	0.85	0.15	607[b]	456[b]	326	37	11 997	1 106

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.40	0.081	0.60	13 920	69	0.859	0.63	1 917.0	1955	1986	DEEP CUT SL
3.09	0.080	0.60	15 570	71	0.851	0.63	2 034.0	1977	1988	DEEP CUT SL
1.50	0.080	0.70	22 750	85	0.877	0.72	2 103.8	1978	1988	DEEP CUT SL
								1955	1988	PANALTA PROGAS TCPL DEEP CUT SL
4.24	0.070	0.68	14 940	71	0.851	0.64	1 980.1	1970	1988	DEEP CUT SL
1.77	0.059	0.65	14 800	69	0.849	0.63	1 998.4	1976	1987	DEEP CUT SL
2.05	0.065	0.60	14 090	64	0.828	0.67	1 922.0	1970	1987	DEEP CUT SL
3.75	0.033	0.35	15 560	76	0.869	0.63	2 239.2	1980	1988	DEEP CUT SL
6.21	0.073	0.65	13 550	69	0.862	0.62	1 845.7	1978	1986	DEEP CUT SL
5.06	0.078	0.70	15 630	69	0.847	0.65	2 060.9	1976	1987	DEEP CUT SL
2.02	0.061	0.70	15 120	81	0.852	0.67	1 995.8	1979	1985	DEEP CUT SL
3.12	0.100	0.65	13 640	69	0.861	0.62	1 937.1	1955	1986	DEEP CUT SL
6.00	0.050	0.55	15 570	82	0.896	0.59	2 255.0	1980	1988	DEEP CUT SL
3.26	0.096	0.65	15 340	66	0.844	0.63	1 959.3	1976	1988	DEEP CUT SL
1.83	0.070	0.70	14 550	70	0.857	0.63	2 016.0	1978	1988	DEEP CUT SL
								1955	1988	PANALTA PROGAS TCPL DEEP CUT SL
8.05	0.117	0.70	15 690	70	0.849	0.64	1 689.8	1979	1988	PROGAS DEEP CUT SL
5.27	0.118	0.70	15 150	69	0.855	0.62	1 874.8	1977	1986	TCPL DEEP CUT SL
4.03	0.062	0.60	15 290	69	0.855	0.62	2 127.6	1978	1987	TCPL DEEP CUT SL
5.52	0.080	0.70	14 890	80	0.866	0.64	1 977.0	1981	1988	TCPL MATERIAL BALANCE DEEP CUT SL
5.81	0.078	0.65	15 320	69	0.855	0.62	1 883.4	1979	1986	TCPL DEEP CUT SL
4.88	0.050	0.60	18 810	88	0.887	0.65	2 538.6	1956	1987	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
4.73	0.080	0.65	29 750	89	0.921	0.70	2 642.0	1978	1980	TCPL BER
2.95	0.112	0.70	24 130	101	0.891	0.73	2 317.5	1981	1988	DEEP CUT SL
1.41	0.186	0.70	8 200	48	0.876	0.62	1 544.6	1969	1987	CNG TCPL
1.05	0.151	0.60	5 940	24	0.899	0.58	720.1	1972	1986	CWNGNUL PANALTA TCPL
1.48	0.199	0.70	8 800	30	0.827	0.65	875.6	1968	1987	TCPL MATERIAL BALANCE
1.26	0.202	0.65	10 820	32	0.824	0.63	997.8	1966	1988	PANALTA PROGAS TCPL NONCOMMERCIAL OIL
1.85	0.197	0.60	10 830	33	0.807	0.66	986.2	1966	1982	TCPL
10.00	0.175	0.70	10 810	32	0.810	0.64	999.9	1972	1988	TCPL
5.71	0.230	0.60	2 960	35	0.952	0.57	741.4	1974	1985	CWNGNUL TCPL PRODUCTION DECLINE
7.14	0.214	0.60	2 960	30	0.948	0.58	791.6	1969	1988	MATERIAL BALANCE
2.93	0.208	0.55	3 240	29	0.942	0.58	821.9	1972	1988	PRODUCTION DECLINE
								1969	1988	CWNGNUL TCPL
2.87	0.130	0.60	9 650	55	0.854	0.65	1 353.3	1952	1980	PRODUCTION DECLINE
6.59	0.160	0.70	9 590	53	0.858	0.64	1 352.5	1952	1981	PRODUCTION DECLINE
								1952	1981	TCPL
						0.74		1952	1986	TCPL CONCURRENT PRODUCTION
9.41	0.063	0.80	15 340	60	0.818	0.74	1 631.6	1952	1986	TCPL CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
ERSKINE 039-21W4 (CONTINUED)									
OTHER	3 074			1 961	654	1 307		49 846	
TOTAL-ERSKINE	5 626			3 589	1 732	1 857		70 519	
ESMOND (SA) 126-20W5									
TOTAL-ESMOND	11			7		7		268	
ESTHER 031-02W4									
VIKING A ASSOC	1 434	0.80	0.05	1 090		1 090	37	40 472	9 521
UPPER MANNVILLE A	618	0.80	0.05	469	240	229	37	8 462	1 976
BANFF A	911	0.90	0.05	779	720	59	38	2 228	400
OTHER	2 576			1 761	693	1 068		39 945	
TOTAL-ESTHER	5 539			4 099	1 653	2 446		91 107	
ESTUARY 023-22W4									
TOTAL-ESTUARY	606			406	86	320		12 117	
ETHEL LAKE 064-03W4									
GRAND RAPIDS A	569	0.65	0.05	352	214	138	37	5 145	1 233
OTHER	72			40	16	24		883	
TOTAL-ETHEL LAKE	641			392	230	162		6 028	
ETZIKOM 006-08W4									
BOW ISLAND A	1 909	0.75	0.05	1 360	1 301	59	37	2 159	10 266
OTHER	251			175	25	150		5 301	
TOTAL-ETZIKOM	2 160			1 535	1 326	209		7 460	
EUREKA (SA) 088-03W6									
TOTAL-EUREKA	95			60		60		2 285	
EVANSBURG (SA) 053-07W5									
TOTAL-EVANSBURG	139			99		99		3 796	
EVERGREEN (SA) 113-23W5									
TOTAL-EVERGREEN	11			6		6		222	
EVI 087-13W5									
TOTAL-EVI	5			4		4		148	
EWING LAKE 037-21W4									
TOTAL-EWING LAKE	327			166	72	94		3 441	
EXCELSIOR 056-24W4									
TOTAL-EXCELSIOR	1 013			683	338	345		13 006	
EXPANSE (SA) 088-04W6									
TOTAL-EXPANSE	100			67		67		2 500	
EYEHILL 041-06W4									
TOTAL-EYEHILL	123			79		79		2 800	
EYREMORE 018-18W4									
BOW ISLAND A	578	0.80	0.05	439	254	185	36	6 677	2 780
OTHER	1 164			780	120	660		24 280	
TOTAL-EYREMORE	1 742			1 219	374	845		30 957	
FAIRYDELL-BON ACCORD 057-24W4									
UPPER VIKING A	1 097	0.95	0.04	1 000			38		12 197
MIDDLE VIKING A	3 070	0.95	0.04	2 800			38		9 921
MIDDLE VIKING B	560	0.95	0.04	511			38		1 865
U VIK A & M VIK AB TOTAL	4 727	0.95	0.05	4 311	3 378	933	38	35 127	
BASAL MANNVILLE A ASSOC	523	0.90	0.10	424	129	295	37	11 042	1 083
BASAL MANNVILLE C SOLN	47	0.65	0.05	29[b]			36		
BASAL MANNVILLE C ASSOC	604	0.90	0.10	490[b]	400[b]	119	36	4 301	296
OTHER	563			381	74	307		11 503	
TOTAL-FAIRYDELL-BON ACCORD	6 464			5 635	3 981	1 654		61 973	
FAITH (SA) 003-12W4									
TOTAL-FAITH	105			75		75		2 749	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
1.79	0.214	0.55	6 470	24	0.869	0.61	695.9	1969	1986	MIP
2.05	0.270	0.70	7 450	27	0.875	0.57	752.6	1969	1984	MIP
5.81	0.190	0.70	8 130	29	0.855	0.59	849.8	1957	1986	MATERIAL BALANCE
3.73	0.280	0.70	2 080	20	0.959	0.56	351.0	1966	1987	PRODUCTION DECLINE
3.05	0.196	0.65	5 550	25	0.896	0.59	680.6	1951	1967	PWGE CTYMEDH MATERIAL BALANCE
2.61	0.172	0.55	7 830	29	0.876	0.57	953.0	1953	1986	PANALTA TCPL
1.46	0.240	0.50	5 110	37	0.913	0.59	802.8	1947	1984	PART OF VIK POOL NO.1
3.23	0.200	0.60	5 820	36	0.900	0.60	816.4	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
2.79	0.200	0.60	5 820	37	0.897	0.60	778.1	1947	1984	PART OF VIK POOL NO.1 MATERIAL BALANCE
								1947	1984	CWNGNUL NORCEN PANALTA PART OF VIK POOL NO.1
5.39	0.180	0.70	7 070	43	0.895	0.63	1 028.7	1951	1984	CWNGNUL CONCURRENT PRODUCTION
						0.63		1965	1987	NORCEN PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
6.22	0.215	0.75	7 310	42	0.887	0.63	1 055.0	1965	1987	NORCEN PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
FARMINGTON 080-11W6									
KISKATINAW A	787	0.85	0.05	636	250	386	38	14 506	200
OTHER	340			242	15	227		8 637	
TOTAL-FARMINGTON	1 127			878	265	613		23 143	
FARRELL 034-16W4									
TOTAL-FARRELL	362			246	82	164		6 063	
FARROW 020-24W4									
TOTAL-FARROW	354			227	15	212		7 982	
FAWCETT (SA) 075-21W4									
TOTAL-FAWCETT	28			16		16		596	
FENN WEST 036-20W4									
TOTAL-FENN WEST	1 333			833	150	683		26 569	
FENN-BIG VALLEY 035-20W4									
BELLY RIVER J	497	0.65	0.05	307	90	217	36	7 816	2 259
VIKING B	819	0.80	0.10	590	520	70	39	2 722	8 105
D-2 A ASSOC	49	0.75	0.30	26			42		65
D-2 A SOLN	6 160	0.64	0.55	1 774			42		
D-2 A ASSOC	28	0.75	0.30	15			42		78
D-2 A ASSOC	35	0.75	0.30	18			42		53
D-2 A ASSOC	251	0.75	0.30	132			42		190
D-2 A ASSOC	134	0.75	0.30	71			42		199
D-2 A TOTAL	6 657	0.65	0.55	2 036	1 638	398	42	16 533	
OTHER	1 342			731	234	497		18 666	
TOTAL-FENN-BIG VALLEY	9 315			3 664	2 482	1 182		45 737	
FENNER 032-14W4									
TOTAL-FENNER	59			40		40		1 464	
FERGUSON 003-17W4									
TOTAL-FERGUSON	30			21		21		799	
FERINTOSH 044-21W4									
TOTAL-FERINTOSH	636			396	184	212		7 974	
FERRIER 039-08W5									
CARDIUM D ASSOC		0.85	0.10				41		1 992
CARDIUM D SOLN	3 194	0.21	0.15	570[b]			41		
CARDIUM D ASSOC		0.85	0.10				40		1 791
CARDIUM D ASSOC		0.85	0.10				41		508
CARDIUM D ASSOC		0.85	0.10				41		1 266
CARDIUM D TOTAL	7 508	0.60	0.10	3 870[b]	3 547[b]	323	41	13 227	
CARDIUM E ASSOC	6 340	0.90	0.15	4 850[b]			41		4 761
CARDIUM E SOLN	6 197	0.17	0.20	842[b]			41		
CARDIUM E ASSOC	5 739	0.90	0.15	4 390[b]			41		4 523
CARDIUM E TOTAL	18 276	0.65	0.15	10 082[b]	7 870[b]	2 212	41	90 471	
CARDIUM G ASSOC	6	0.75	0.15	4			42		87
CARDIUM G SOLN	4 408	0.28	0.15	1 049			42		
CARDIUM G ASSOC	69	0.75	0.15	44			42		232
CARDIUM G & L TOTAL	4 483	0.30	0.15	1 097	667	430	42	17 953	
CARDIUM O	985	0.90	0.10	798			40		1 630
CARDIUM Z	327	0.85	0.10	250			40		1 314
CARDIUM O & Z TOTAL	1 312	0.90	0.10	1 048	137	911	40	36 221	
CARDIUM FF	249	0.80	0.10	179			40		883
CARDIUM II	182	0.75	0.10	123			41		400
CARDIUM FF & II TOTAL	431	0.80	0.10	302	126	176	40	7 114	
CARDIUM N ASSOC	360	0.85	0.10	275[b]			41		440
CARDIUM N SOLN	786	0.65	0.15	434[b]			41		
CARDIUM B,N & VIK A TOTAL	1 146	0.70	0.15	709[b]	580[b]	129	41	5 261	
GLAUCONITIC B	580	0.75	0.10	392	214	178	40	7 081	256
L PEKISKO 02-043-10	501	0.75	0.20	301		301	39	11 601	200
OTHER	7 117			4 847	252	4 595		179 731	
TOTAL-FERRIER	41 354			22 648	13 393	9 255		368 660	
FERRYBANK 044-27W4									
BELLY RIVER C ASSOC	1 880	0.70	0.05	1 250			37		7 656

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
20.35	0.170	0.70	18 000	81	0.890	0.61	2 312.9	1977	1978	PANALTA
5.03	0.256	0.55	3 030	21	0.944	0.57	631.4	1951	1988	PART OF BR POOL NO.3
1.42	0.140	0.55	7 240	41	0.857	0.66	1 179.3	1952	1987	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.4 PRODUCTION DECLINE
4.48	0.118	0.85	12 750	48	0.668	0.94	1 597.1	1950	1988	
						0.94		1950	1988	
2.09	0.118	0.85	12 750	48	0.668	0.94	1 573.6	1950	1984	
3.89	0.118	0.85	12 750	48	0.668	0.94	1 596.7	1950	1984	
7.79	0.118	0.85	12 750	48	0.668	0.94	1 590.0	1950	1985	
3.96	0.118	0.85	12 750	48	0.668	0.94	1 778.4	1950	1984	
								1950	1988	CWNGNUL
2.06	0.157	0.90	21 820	70	0.816	0.75	2 055.8	1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.75		1963	1986	PRODUCTION DECLINE CONCURRENT PRODUCTION
1.86	0.177	0.90	21 820	70	0.819	0.75	2 035.0	1963	1984	PRODUCTION DECLINE
0.88	0.157	0.90	21 820	70	0.827	0.71	2 047.5	1963	1984	PRODUCTION DECLINE
1.55	0.104	0.75	21 820	70	0.833	0.70	2 026.7	1963	1984	PRODUCTION DECLINE
								1963	1986	TCPL CONCURRENT PRODUCTION
4.03	0.159	0.90	21 820	65	0.795	0.78	2 068.9	1965	1987	CONCURRENT PRODUCTION
						0.78		1965	1987	CONCURRENT PRODUCTION
3.84	0.159	0.90	21 820	65	0.795	0.78	2 059.8	1965	1987	
								1965	1987	A&S TCPL CONCURRENT PRODUCTION
0.49	0.090	0.70	21 170	60	0.776	0.76	2 057.7	1967	1984	MU-SOLN CARDIUM G&L
						0.76		1967	1984	MU-SOLN CARDIUM G&L
0.87	0.164	0.90	21 170	60	0.776	0.76	2 057.7	1967	1984	
								1967	1986	A&S TCPL
2.86	0.125	0.80	22 000	73	0.856	0.68	2 247.1	1969	1984	
1.84	0.065	0.90	22 570	62	0.829	0.69	2 303.7	1975	1983	
						0.68		1969	1984	PANALTA PROGAS TCPL
1.72	0.091	0.75	24 110	63	0.851	0.67	2 314.7	1956	1987	
3.65	0.099	0.75	16 460	70	0.813	0.70	2 274.8	1956	1988	
								1956	1987	PANALTA PROGAS TCPL
2.78	0.074	0.90	22 340	83	0.845	0.75	2 232.4	1955	1984	PRODUCTION DECLINE MU-SOLN CARDIUM B,N & VIK A - CONC PR
						0.75		1955	1984	PRODUCTION DECLINE MU-SOLN CARDIUM B,N & VIK A - CONC PR
								1955	1984	CONCURRENT PRODUCTION
7.16	0.075	0.60	33 880	90	0.989	0.66	2 725.3	1984	1988	MATERIAL BALANCE
12.80	0.110	0.80	24 360	78	0.887	0.68	2 914.2	1966	1982	PROGAS BER
3.68	0.210	0.55	5 650	35	0.903	0.59	904.4	1955	1988	CONCURRENT PRODUCTION STUDY PENDING

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
FERRYBANK 044-27W4 (CONTINUED)									
BELLY RIVER G	4	0.60	0.05	2			36		64
BELLY RIVER H	5	0.60	0.05	3			36		64
BELLY RIVER C, G & H TOTAL	1 889	0.70	0.05	1 255	744	511	37	18 948	
VIKING A	1 248	0.60	0.20	599	176	423	46	19 420	8 392
GLAUCONITIC A	1 243	0.70	0.10	783	368	415	39	16 330	4 502
LOWER MANNVILLE I SOLN	12	0.65	0.10	7b			40		
LOWER MANNVILLE I ASSOC	497	0.80	0.10	358b	105b	260	40	10 392	612
LOWER MANNVILLE F	432	0.85	0.10	330	240	90	40	3 580	502
LOWER MANNVILLE A		0.90	0.10				40		1 190
LOWER MANNVILLE B		0.90	0.10				40		1 214
LOWER MANNVILLE A & B TOTAL	765	0.90	0.10	620	567	53	40	2 101	
OTHER	3 799			2 633	885	1 748		69 146	
TOTAL-FERRYBANK	9 885			6 585	3 085	3 500		139 917	
FIGURE LAKE 063-18W4									
UPPER MANNVILLE B		0.65	0.04				37		735
UPPER MANNVILLE Y		0.75	0.05				38		179
UPPER MANNVILLE CC		0.70	0.05				38		256
D-2 B		0.65	0.04				37		7 665
UPPER MANN B,Y,CC&D-2 TOTAL	2 515	0.65	0.05	1 570	1 288	282	37	10 544	
OTHER	3 458			2 211	696	1 515		56 616	
TOTAL-FIGURE LAKE	5 973			3 781	1 984	1 797		67 160	
FINDLEY 057-06W6									
JURASSIC 057-06	624	0.85	0.15	451		451	38	16 944	528
OTHER	1 841			1 245		1 245		46 712	
TOTAL-FINDLEY	2 465			1 696		1 696		63 656	
FIR 058-21W5									
DUNVEGAN 07-060-22	633	0.90	0.10	513		513	40	20 576	200
GETHING A	1 075	0.75	0.10	725		725	39	28 087	2 443
NORDEGG 04-057-20	655	0.85	0.15	473		473	37	17 298	200
TRIASSIC C	9 974	0.80	0.07	7 420	2 613	4 807	38	183 435	22 527
D-3 A	3 556	0.45	0.25	1 200	431	769	37	28 568	1 080
D-3 B	921	0.85	0.25	587	12	575	37	21 361	128
OTHER	2 877			1 842		1 842		71 171	
TOTAL-FIR	19 691			12 760	3 056	9 704		370 496	
FIRE 113-07W6									
TOTAL-FIRE	482			311	11	300		11 311	
FISHER 068-05W4									
TOTAL-FISHER	1 584			818	22	796		29 467	
FLAT 066-20W4									
WABISKAW-WABAMUN A		0.70	0.05				37		6 640
WABISKAW-WABAMUN A		0.70	0.05				37		8 138
WABISKAW-WABAMUN A TOTAL	5 564	0.70	0.05	3 700	2 545	1 155	37	42 620	
OTHER	1 432			938	215	723		26 781	
TOTAL-FLAT	6 996			4 638	2 760	1 878		69 401	
FLOOD 085-25W5									
TOTAL-FLOOD	257			159	69	90		3 353	
FLORENCE (SA) 068-04W5									
TOTAL-FLORENCE	14			9		9		332	
FLUME 062-05W5									
TOTAL-FLUME	38			28		28		1 095	
FOLEY LAKE (SA) 065-06W5									
TOTAL-FOLEY LAKE	113			86		86		3 324	
FOREMOST 006-11W4									
BOW ISLAND	566	0.93	0.05	500	430	70	36	2 539	6 038
OTHER	171			112	4	108		3 997	
TOTAL-FOREMOST	737			612	434	178		6 536	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.00	0.180	0.45	3 400	26	0.936	0.59	786.8	1986	1987	
1.90	0.200	0.45	4 110	27	0.924	0.59	857.9	1986	1987	
								1955	1988	PANALTA TCPL CONCURRENT PRODUCTION STUDY PENDING
1.89	0.126	0.55	8 060	45	0.635	0.96	1 443.8	1955	1981	PANALTA TCPL PWGE
3.79	0.135	0.45	11 940	64	0.840	0.67	1 565.4	1954	1988	PANALTA PROGAS SOQUIP PART OF GLAUC POOL NO.3
						0.68		1981	1987	TCPL CONCURRENT PRODUCTION
4.79	0.191	0.70	12 490	65	0.828	0.68	1 667.4	1981	1987	TCPL CONCURRENT PRODUCTION
2.39	0.160	0.80	12 710	45	0.775	0.70	1 587.7	1970	1984	TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
2.36	0.204	0.75	13 340	63	0.803	0.73	1 710.3	1971	1985	MATERIAL BALANCE
2.25	0.196	0.70	13 340	63	0.803	0.73	1 731.2	1981	1985	MATERIAL BALANCE
								1971	1984	TCPL PANALTA
3.75	0.251	0.65	3 540	19	0.929	0.56	543.1	1958	1988	PRODUCTION DECLINE
1.60	0.258	0.70	3 410	19	0.931	0.57	534.8	1987	1988	PRODUCTION DECLINE
1.42	0.319	0.75	3 410	19	0.931	0.57	542.8	1987	1988	TCPL PRODUCTION DECLINE
7.13	0.151	0.60	3 540	24	0.934	0.56	678.6	1955	1988	PRODUCTION DECLINE
								1955	1988	TCPL
7.82	0.112	0.55	28 530	77	0.945	0.61	2 375.8	1975	1988	PANALTA BER TOP/BASE TVD
10.80	0.165	0.85	21 510	76	0.839	0.73	2 128.7	1976	1978	
3.52	0.103	0.75	18 130	92	0.873	0.71	2 642.9	1972	1981	A&S PROGAS TCPL
16.60	0.120	0.85	21 650	81	0.899	0.71	2 735.3	1980	1980	A&S PROGAS
2.28	0.106	0.75	22 940	100	0.937	0.61	2 660.0	1972	1987	A&S PROGAS TCPL PANALTA MATERIAL BALANCE DEEP CUT SL
24.74	0.067	0.85	30 710	117	0.958	0.69	3 353.2	1974	1985	PROGAS TCPL KANNGAZ PANALTA PSR
42.00	0.080	0.90	31 170	115	0.960	0.69	3 372.8	1980	1985	PANALTA PROGAS
3.54	0.220	0.60	3 340	27	0.939	0.57	567.1	1956	1988	TCPL MATERIAL BALANCE
13.29	0.226	0.35	3 380	27	0.939	0.57	573.9	1956	1988	TCPL MATERIAL BALANCE
								1956	1988	
1.52	0.200	0.80	4 830	27	0.918	0.57	692.5	1923	1981	CWNGNUL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
FORESTBURG 042-15W4									
UPPER MANNVILLE R	424	0.75	0.05	302	28	274	37	10 116	727
OTHER	3 905			2 550	379	2 171		80 134	
TOTAL-FORESTBURG	4 329			2 852	407	2 445		90 250	
FORSYTH 062-06W4									
TOTAL-FORSYTH	787			507	36	471		17 441	
FORT ASSINIBOINE 062-04W5									
TOTAL-FORT ASSINIBOINE	404			280		280		10 828	
FORT KENT 061-04W4									
TOTAL-FORT KENT	1 238			770	422	348		12 950	
FORT SASKATCHEWAN 054-22W4									
UPPER VIKING A		0.85	0.03				36		3 055
MIDDLE VIKING A		0.85	0.03				36		12 842
U VIK A & M VIK A TOTAL	9 096	0.85	0.05	7 500	7 457	43	36	1 563	
OTHER	228			148	3	145		5 378	
TOTAL-FORT SASKATCHEWAN	9 324			7 648	7 460	188		6 941	
FORTY MILE 007-09W4									
LOWER MANNVILLE E	1 981	0.85	0.05	1 600	942	658	36	23 931	6 419
OTHER	683			485	77	408		14 677	
TOTAL-FORTY MILE	2 664			2 085	1 019	1 066		38 608	
FOSTER (SA) 033-27W4									
TOTAL-FOSTER	185			126		126		4 979	
FOURTH 082-09W6									
TOTAL-FOURTH	712			482		482		18 178	
FOX CREEK 061-18W5									
VIKING A	3 750	0.80	0.10	2 700	2 301	399	39	15 661	8 296
VIKING B	461	0.80	0.10	332	266	66	39	2 592	200
GETHING D ASSOC	177	0.70	0.05	118			39		150
GETHING H ASSOC	5 993	0.75	0.05	4 270			39		9 920
GETHING D & H TOTAL	6 170	0.75	0.05	4 388	446	3 942	39	153 186	
OTHER	2 265			1 140	241	899		35 456	
TOTAL-FOX CREEK	12 646			8 560	3 254	5 306		206 895	
FRANCIS 073-22W4									
WABAMUN A	516	0.65	0.05	318		318	37	11 776	440
OTHER	405			269		269		9 934	
TOTAL-FRANCIS	921			587		587		21 710	
FRANCIS SOUTH 072-21W4									
TOTAL-FRANCIS SOUTH	40			22		22		763	
FRENCH (SA) 064-01W5									
TOTAL-FRENCH	158			112		112		4 187	
FURNESS (SA) 048-23W4									
TOTAL-FURNESS	75			52		52		1 993	
GADSBY 037-19W4									
BELLY RIVER J	2 543	0.65	0.05	1 570	356	1 214	37	44 663	10 196
OTHER	1 362			892	215	677		24 987	
TOTAL-GADSBY	3 905			2 462	571	1 891		69 650	
GAGE 082-03W6									
TOTAL-GAGE	610			418		418		15 733	
GALAHAD 040-15W4									
TOTAL-GALAHAD	779			503	1	502		17 853	
GAMBLER 070-21W4									
TOTAL-GAMBLER	969			579	167	412		15 397	
GARDEN PLAINS 033-13W4									
TOTAL-GARDEN PLAINS	449			299	151	148		5 600	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.91	0.234	0.80	7 610	35	0.881	0.59	1 052.1	1986	1988	
0.80	0.210	0.60	5 550	33	0.905	0.60	780.9	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
6.43	0.210	0.60	5 550	33	0.905	0.60	780.9	1917	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1982	CWNGNUL NORCEN PART OF VIK POOL NO.2
2.19	0.195	0.65	10 070	30	0.850	0.58	933.4	1965	1988	CWNGNUL PANALTA TCPL KANNGAZ
3.43	0.145	0.60	10 170	60	0.846	0.67	1 721.6	1957	1985	A&S TCPL MATERIAL BALANCE
2.74	0.145	0.60	10 070	66	0.863	0.65	1 784.4	1967	1988	A&S PRODUCTION DECLINE
11.00	0.140	0.55	14 810	75	0.870	0.63	1 980.6	1967	1987	PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
5.10	0.144	0.60	14 580	75	0.869	0.63	1 947.9	1957	1987	PART OF GETHING POOL NO.1
								1957	1987	A&S PANALTA TCPL PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
23.75	0.250	0.80	2 420	20	0.952	0.57	548.6	1965	1983	PANALTA BER
5.00	0.253	0.65	3 030	27	0.947	0.56	623.2	1951	1988	PART OF BR POOL NO.3

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
GARDNER (SA) 090-17W5									
TOTAL-GARDNER	31			22		22		800	
GARRINGTON 034-04W5									
VIKING A ASSOC	408	0.70	0.10	257[b]			39		4 699
VIKING A SOLN	741	0.65	0.15	410[b]			39		
VIKING A ASSOC	17	0.60	0.10	9[b]			39		200
VIKING A ASSOC	15	0.55	0.10	7[b]			39		200
VIKING A ASSOC	11	0.55	0.10	5[b]			39		200
VIKING A ASSOC	15	0.55	0.10	7[b]			39		200
VIKING A ASSOC	18	0.60	0.10	10[b]			39		128
VIKING A TOTAL	1 225	0.65	0.15	705[b]	134[b]	571	39	22 412	
VIKING P	524	0.85	0.10	401	128	273	40	10 980	400
MANNVILLE B SOLN	4 000	0.80	0.25	2 400	2 248	152	42	6 393	
MANNVILLE D SOLN	289	0.65	0.25	141[b]			41		
MANNVILLE D ASSOC	962	0.80	0.10	693[b]	541[b]	293	41	11 978	2 345
MANNVILLE P	420	0.85	0.10	321	61	260	39	10 143	300
LOWER MANNVILLE ZZ	792	0.85	0.15	572	10	562	41	22 963	649
ELKTON E	1 440	0.85	0.15	1 040	641	399	40	16 060	986
WABAMUN A SOLN	1 753	0.65	0.33	763[b]			39		
WABAMUN A ASSOC	8 709	0.85	0.33	4 960[b]	4 351[b]	1 372	39	52 932	13 888
LEDUC D SOLN	97	0.65	0.30	44[b]			40		
LEDUC D ASSOC	769	0.80	0.25	461[b]	12[b]	493	40	19 572	128
OTHER	11 334			6 680	1 045	5 635		226 068	
TOTAL-GARRINGTON	32 314			19 181	9 171	10 010		399 501	
GARTH 064-06W4									
TOTAL-GARTH	455			275	23	252		9 426	
GARTLEY 031-18W4									
TOTAL-GARTLEY	648			425	87	338		12 694	
GATOR 118-03W6									
TOTAL-GATOR	115			73		73		2 770	
GAYFORD 026-25W4									
TOTAL-GAYFORD	1 111			650	319	331		12 230	
GENESEE 050-03W5									
TOTAL-GENESEE	514			359		359		13 944	
GEORGE 082-05W6									
KISKATINAW D	785	0.85	0.10	600	321	279	39	10 820	2 334
OTHER	736			506	27	479		18 107	
TOTAL-GEORGE	1 521			1 106	348	758		28 927	
GERE 062-08W5									
TOTAL-GERE	65			45		45		1 730	
GERMAIN (SA) 085-22W4									
TOTAL-GERMAIN	27			13		13		479	
GHOST PINE 031-22W4									
UPPER MANNVILLE V SOLN	144	0.65	0.10	85[b]			40		
UPPER MANNVILLE V ASSOC	287	0.80	0.05	219[b]	112[b]	192	40	7 599	444
UPPER MANNVILLE C ASSOC		0.85	0.10				40		2 351
UPPER MANNVILLE C SOLN	14	0.60	0.20	6[b]			40		
UPPER MANNVILLE U		0.85	0.10				39		971
UPPER MANNVILLE ZZZ		0.85	0.10				40		467
U MANN C,U & ZZZ TOTAL	1 387	0.85	0.10	1 056[b]	934[b]	122	40	4 879	
UPPER MANNVILLE Q ASSOC	656	0.90	0.10	531[b]			40		1 129
UPPER MANNVILLE Q SOLN	20	0.65	0.10	12[b]			40		
UPPER MANNVILLE Y		0.75	0.10				40		6 935
UPPER MANNVILLE FF		0.75	0.10				40		8 320
UPPER MANN Q,Y & FF TOTAL	5 862	0.75	0.10	4 073[b]	2 439[b]	1 634	40	65 131	
UPPER MANNVILLE G		0.75	0.10				40		1 440
UPPER MANNVILLE H		0.75	0.10				39		3 894
UPPER MANNVILLE P ASSOC		0.75	0.10				40		6 432
UPPER MANN YYY		0.75	0.10				40		1 589

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.68	0.089	0.65	8 920	58	0.858	0.67	1 992.5	1977	1987	CONCURRENT PRODUCTION
						0.67		1977	1987	CONCURRENT PRODUCTION
1.82	0.084	0.65	8 920	63	0.866	0.67	2 133.3	1977	1988	ASSIGNED WELL 14-32-34-3 W5M
1.70	0.080	0.75	7 660	61	0.878	0.67	2 127.4	1977	1988	ASSIGNED WELL 06-30-035-03 W5M
1.14	0.092	0.75	7 660	65	0.884	0.67	2 172.2	1977	1988	ASSIGNED WELL 10-13-035-04 W5M
2.32	0.067	0.65	7 660	64	0.882	0.67	2 149.5	1977	1988	ASSIGNED WELL 01-25-035-04 W5M
2.66	0.102	0.65	8 510	74	0.886	0.67	2 106.1	1977	1987	ASSIGNED WELL 6-20-035-03 W5M
								1977	1987	A&S TCPL PSR PANALTA CONCURRENT PRODUCTION
4.76	0.134	0.75	20 830	73	0.852	0.66	2 364.3	1979	1988	MATERIAL BALANCE
						0.77		1963	1988	A&S CWNGNUL TCPL
						0.72		1968	1988	PANALTA TCPL CONCURRENT PRODUCTION
2.00	0.109	0.75	27 750	78	0.896	0.72	2 437.8	1968	1988	PANALTA TCPL CONCURRENT PRODUCTION
8.50	0.102	0.85	19 760	76	0.847	0.71	2 557.1	1978	1988	PROGAS
5.62	0.119	0.85	21 300	74	0.813	0.76	2 527.2	1979	1987	PROGAS
6.78	0.115	0.85	24 530	85	0.884	0.73	2 631.7	1983	1988	
						0.77		1952	1985	PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
8.47	0.048	0.80	24 720	74	0.856	0.77	2 644.4	1952	1985	PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.77		1985	1988	CONCURRENT PRODUCTION
45.00	0.068	0.85	25 510	89	0.868	0.77	2 966.3	1985	1988	CONCURRENT PRODUCTION
2.10	0.143	0.75	14 630	61	0.834	0.65	1 460.8	1973	1987	TCPL
						0.71		1956	1987	TCPL CONCURRENT PRODUCTION OIL DEPLETED
3.64	0.214	0.75	10 410	55	0.817	0.71	1 488.6	1956	1987	TCPL CONCURRENT PRODUCTION OIL DEPLETED
1.75	0.175	0.60	10 640	50	0.807	0.69	1 389.9	1964	1987	PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
						0.69		1964	1987	PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
5.92	0.199	0.65	10 640	50	0.827	0.66	1 415.5	1964	1987	PRODUCTION DECLINE
1.10	0.179	0.50	10 640	50	0.807	0.69	1 412.8	1965	1987	PRODUCTION DECLINE
								1955	1987	CONCURRENT PRODUCTION OIL DEPLETED
4.54	0.182	0.65	10 340	55	0.829	0.67	1 466.8	1967	1987	CONCURRENT PRODUCTION
						0.67		1967	1987	CONCURRENT PRODUCTION
2.26	0.161	0.55	10 570	57	0.833	0.68	1 507.9	1966	1987	MATERIAL BALANCE
2.56	0.193	0.60	10 570	57	0.833	0.68	1 491.6	1961	1987	MATERIAL BALANCE
								1961	1987	TCPL CONCURRENT PRODUCTION
1.43	0.165	0.50	10 450	50	0.817	0.68	1 382.5	1964	1987	PRODUCTION DECLINE
2.13	0.197	0.75	10 450	50	0.829	0.66	1 373.9	1962	1987	PRODUCTION DECLINE
2.17	0.203	0.60	10 450	50	0.817	0.68	1 393.4	1962	1987	PRODUCTION DECLINE GPP
1.72	0.180	0.55	10 450	50	0.817	0.68	1 437.5	1952	1987	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
GHOST PINE 031-22W4 (CONTINUED)									
U MANNVILLE G,H,P&YYY TOTAL	4 889	0.75	0.10	3 300	2 782	518	40	20 508	
UPPER MANNVILLE XX	392	0.85	0.10	300			40		523
LOWER MANNVILLE D	53	0.70	0.10	33			38		150
U MANN XX & L MANN D TOTAL	445	0.85	0.10	333	17	316	40	12 555	
LOWER MANNVILLE B SOLN	25	0.60	0.10	14[b]			40		
LOWER MANNVILLE B ASSOC	494	0.80	0.10	356[b]	261[b]	109	40	4 383	902
LOWER MANNVILLE F	551	0.90	0.10	446	419	27	40	1 073	783
PEKISKO G	772	0.92	0.04	682	601	81	39	3 190	414
OTHER	7 850			4 913	2 343	2 570		100 890	
TOTAL-GHOST PINE	22 706			15 477	9 908	5 569		220 208	
GILBY 041-03W5									
CARDIUM C	609	0.85	0.15	440	13	427	41	17 315	2 882
UPPER MANNVILLE E	527	0.80	0.15	359	3	356	40	14 179	150
BASAL MANNVILLE D	1 911	0.80	0.15	1 300	965	335	41	13 665	1 150
BASAL MANNVILLE A		0.85	0.15				40		2 369
JURASSIC D		0.85	0.15				41		861
BSL MANN A & JUR D TOTAL	9 688	0.85	0.15	7 000	4 058	2 942	41	119 210	
BASAL MANNVILLE H		0.85	0.10				41		2 800
BASAL MANNVILLE L ASSOC		0.85	0.10				40		200
JURASSIC-RUNDLE ASSOC		0.85	0.10				41		11 767
JURASSIC-RUNDLE SOLN	111	0.60	0.10	60[b]			41		
BMN H&L,J-RUN&UMN A TOTAL	26 516	0.85	0.10	20 260[b]	16 105[b]	4 155	41	169 233	
JURASSIC B SOLN	1 058	0.31	0.20	262[b]			41		
JURASSIC B ASSOC	499	0.80	0.15	339[b]	359[b]	242	41	9 857	494
JURASSIC N	494	0.85	0.10	378	286	92	41	3 751	128
RUNDLE G	598	0.85	0.15	432		432	40	17 284	1 125
RUNDLE H	984	0.85	0.10	752	1	751	39	29 191	1 428
OTHER	7 968			4 785	1 099	3 686		146 251	
TOTAL-GILBY	50 852			36 307	22 889	13 418		539 936	
GILWOOD 073-18W5									
TOTAL-GILWOOD	414			249	49	200		7 444	
GIROUX LAKE 066-21W5									
TOTAL-GIROUX LAKE	735			468	22	446		17 121	
GIROUXVILLE (SA) 077-23W5									
TOTAL-GIROUXVILLE	59			42		42		1 573	
GIROUXVILLE EAST 077-22W5									
GETHING A	741	0.75	0.05	528	12	516	36	18 602	1 658
OTHER	824			570	92	478		17 824	
TOTAL-GIROUXVILLE EAST	1 565			1 098	104	994		36 426	
GLACIER 077-12W6									
TOTAL-GLACIER	774			545		545		21 137	
GLADYS 020-27W4									
WABAMUN A	1 500	0.50	0.20	600		600	37	22 386	2 942
OTHER	917			536	55	481		18 771	
TOTAL-GLADYS	2 417			1 136	55	1 081		41 157	
GLEICHEN 022-22W4									
MEDICINE HAT A	854	0.70	0.03	580			36		19 600
SE ALTA GAS SYS(MU) TOTAL	854	0.70	0.05	580	227	353	36	12 874	
GLAUCONITIC J	527	0.80	0.10	380	143	237	39	9 298	1 986
OTHER	286			182	26	156		5 834	
TOTAL-GLEICHEN	1 667			1 142	396	746		28 006	
GLEN PARK 049-27W4									
TOTAL-GLEN PARK	1 202			783	280	503		19 618	
GLENEVIS 055-04W5									
TOTAL-GLENEVIS	786			554	47	507		19 658	
GLOVER 075-09W4									
TOTAL-GLOVER	113			58		58		2 130	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1952	1987	TCPL
4.28	0.205	0.80	10 400	58	0.837	0.67	1 503.9	1976	1987	
2.78	0.160	0.70	10 220	48	0.800	0.74	1 522.8	1976	1988	
								1976	1987	TCPL
						0.68		1959	1988	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
1.61	0.185	0.60	10 730	51	0.813	0.68	1 453.8	1959	1988	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
5.34	0.200	0.55	10 650	52	0.826	0.66	1 471.0	1960	1981	TCPL PRODUCTION DECLINE
8.21	0.050	0.85	10 580	47	0.828	0.64	1 391.2	1962	1987	PRODUCTION DECLINE
1.01	0.096	0.85	19 380	48	0.764	0.72	1 774.8	1963	1982	A&S CWNGNUL
9.40	0.270	0.85	15 860	70	0.808	0.73	2 118.2	1977	1985	CWNGNUL
7.80	0.107	0.80	15 510	70	0.821	0.72	2 045.5	1962	1987	KANNGAZ TCPL PRODUCTION DECLINE
12.65	0.137	0.70	15 980	72	0.838	0.70	2 151.3	1956	1986	MATERIAL BALANCE
5.48	0.169	0.75	15 980	72	0.831	0.71	2 173.8	1956	1986	MATERIAL BALANCE
								1956	1986	TCPL
4.91	0.120	0.65	15 870	70	0.814	0.74	2 112.9	1956	1987	MATERIAL BALANCE
1.10	0.120	0.70	15 310	73	0.775	0.83	2 045.8	1959	1987	MATERIAL BALANCE
12.84	0.120	0.65	15 960	71	0.817	0.73	2 096.3	1955	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.73		1955	1987	MATERIAL BALANCE CONCURRENT PRODUCTION
								1955	1987	A&S TCPL CONCURRENT PRODUCTION
						0.73		1958	1988	A&S TCPL CONCURRENT PRODUCTION
4.94	0.159	0.80	15 890	71	0.817	0.73	2 133.0	1958	1988	A&S TCPL CONCURRENT PRODUCTION
10.36	0.120	0.65	15 400	70	0.825	0.71	2 121.9	1953	1987	PRODUCTION DECLINE
5.80	0.073	0.75	17 600	77	0.854	0.68	2 195.9	1961	1987	PROGAS TCPL
6.45	0.087	0.70	17 980	77	0.833	0.73	2 231.0	1963	1985	PROGAS TCPL SOQUIP
3.85	0.209	0.65	8 230	37	0.883	0.58	860.2	1980	1986	SOQUIP
5.10	0.051	0.85	22 900	66	0.833	0.79	2 517.7	1961	1981	PANALTA TCPL KANNGAZ BER
1.01	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1988	PART OF MED HAT POOL NO.1
								1904	1988	PANALTA PROGAS CEL KANNGAZ
1.55	0.191	0.75	10 830	43	0.816	0.65	1 354.6	1963	1985	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
GODIN 081-01W5									
TOTAL-GODIN	369			183		183		6 771	
GOLD CREEK 067-05W6									
BLUESKY-GETHING A	2 256	0.70	0.05	1 500	1 189	311	40	12 424	7 673
CADOMIN B	689	0.70	0.10	434	175	259	40	10 259	812
WABAMUN A	3 600	0.50	0.35	1 170	732	438	39	16 981	1 230
WABAMUN 34-069-05	1 021	0.75	0.15	651		651	36	23 677	400
WABAMUN 34-069-05	511	0.70	0.15	304		304	37	11 382	200
OTHER	2 399			1 623	140	1 483		58 511	
TOTAL-GOLD CREEK	10 476			5 682	2 236	3 446		133 234	
GOLDEN 086-15W5									
TOTAL-GOLDEN	205			64	9	55		2 031	
GOLDEN SPIKE 051-27W4									
D-1 A	920	0.85	0.10	704	420	284	39	11 093	438
D-3 A SOLN	4 767	0.82	0.45	2 150[b]			42		
D-3 A ASSOC		0.90	0.10		1 403[b]	747	42	31 583	
OTHER	1 921			1 040	506	534		20 979	
TOTAL-GOLDEN SPIKE	7 608			3 894	2 329	1 565		63 655	
GOODFISH (SA) 091-09W5									
TOTAL-GOODFISH	106			66		66		2 464	
GOODRIDGE 061-02W5									
TOTAL-GOODRIDGE	603			401	53	348		13 268	
GOODWIN 059-13W5									
JURASSIC A	688	0.80	0.10	495		495	38	18 602	1 289
OTHER	424			247	27	220		8 750	
TOTAL-GOODWIN	1 112			742	27	715		27 352	
GOOSE RIVER 067-18W5									
VIKING A	533	0.85	0.05	430	23	407	37	15 169	2 356
BEAVERHILL LAKE A SOLN	2 083	0.42	0.40	525	388	137	41	5 680	
OTHER	22			13	-48	61		2 471	
TOTAL-GOOSE RIVER	2 638			968	363	605		23 320	
GOPHER (SA) 081-19W4									
TOTAL-GOPHER	39			19		19		674	
GORDONDALE 079-10W6									
PEACE RIVER	989	0.85	0.05	799			39		3 717
NOTIKEWIN B	102	0.75	0.05	73			39		200
GETHING A	811	0.75	0.03	590			39		3 176
PEACE RIV,NOT B&GET A TOTAL	1 902	0.80	0.05	1 462	1 425	37	39	1 432	
GETHING B	439	0.85	0.05	354	328	26	38	995	150
HALFWAY 08-079-09	901	0.85	0.10	689		689	41	27 925	400
OTHER	2 852			2 013	231	1 782		68 729	
TOTAL-GORDONDALE	6 094			4 518	1 984	2 534		99 081	
GRAHAM 079-04W4									
MCMURRAY B	836	0.50	0.05	397	163	234	37	8 665	2 989
OTHER	305			146	45	101		3 712	
TOTAL-GRAHAM	1 141			543	208	335		12 377	
GRAINDALE 026-01W4									
TOTAL-GRAINDALE	414			286	14	272		9 989	
GRAND FORKS 011-13W4									
TOTAL-GRAND FORKS	1 316			594	34	560		19 084	
GRANDE CACHE (SA) 059-08W6									
TOTAL-GRANDE CACHE	143			108		108		3 888	
GRANDE PRAIRIE 071-06W6									
TOTAL-GRANDE PRAIRIE	2 147			1 482	1	1 481		58 609	
GRANLEA 008-10W4									
BOW ISLAND A	1 362	0.85	0.05	1 100	821	279	36	9 980	5 029

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.32	0.109	0.60	22 100	70	0.857	0.66	2 126.0	1964	1987	A&S PROGAS MATERIAL BALANCE
6.69	0.090	0.70	19 750	64	0.828	0.68	2 105.9	1966	1975	A&S
17.47	0.069	0.85	35 600	99	0.974	1.11	3 344.6	1964	1987	A&S PRODUCTION DECLINE
12.05	0.101	0.85	33 870	110	1.019	0.69	3 188.8	1980	1982	PROGAS
12.00	0.100	0.85	34 180	111	1.011	0.70	3 233.3	1980	1982	PROGAS
6.15	0.090	0.80	10 890	53	0.833	0.69	1 384.7	1949	1970	MATERIAL BALANCE
						0.86		1949	1988	CWNGNUL CONCUR PROD SEC GAS CAP GAS CYCLING
						0.86		1949	1988	CWNGNUL CONCUR PROD SEC GAS CAP GAS CYCLING
4.99	0.200	0.40	14 030	69	0.872	0.65	1 784.0	1956	1975	TCPL
1.85	0.200	0.65	9 460	53	0.878	0.61	1 213.2	1964	1978	PANALTA TCPL
						0.69		1963	1988	TCPL
4.48	0.190	0.70	4 300	33	0.915	0.61	841.9	1952	1974	MATERIAL BALANCE
7.40	0.145	0.65	7 240	44	0.887	0.58	959.2	1957	1982	
3.38	0.120	0.70	10 150	42	0.845	0.60	1 291.7	1953	1971	MATERIAL BALANCE
								1952	1974	TCPL PANALTA PROGAS WCOAST
9.87	0.120	0.70	12 470	43	0.834	0.59	1 325.6	1957	1988	WCOAST PRODUCTION DECLINE
8.70	0.178	0.85	16 870	68	0.822	0.67	1 650.5	1987	1988	
6.35	0.302	0.80	1 740	9	0.962	0.56	235.3	1976	1988	PANALTA TCPL
2.37	0.220	0.60	5 650	26	0.904	0.58	684.3	1971	1987	CWNGNUL PANALTA CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
GRANLEA 008-10W4 (CONTINUED)									
OTHER	205			147	55	92		3 327	
TOTAL-GRANLEA	1 567			1 247	876	371		13 307	
GRANOR 083-18W4									
GROSMONT A	1 290	0.40	0.05	490	350	140	37	5 167	20 233
OTHER	122			62		62		2 127	
TOTAL-GRANOR	1 412			552	350	202		7 294	
GRANUM 011-26W4									
BOW ISLAND A	560	0.65	0.10	328	38	290	39	11 194	2 407
TOTAL-GRANUM	560			328	38	290		11 194	
GRASSLAND 067-19W4									
WABAMUN-WINTERBURN A	526	0.70	0.05	350	88	262	37	9 710	2 489
OTHER	1 042			653	314	339		12 569	
TOTAL-GRASSLAND	1 568			1 003	402	601		22 279	
GRASSY (SA) 067-21W5									
TOTAL-GRASSY	35			23		23		871	
GREENCOURT 059-09W5									
JURASSIC B	690	0.85	0.10	528	1	527	38	20 237	1 736
JURASSIC A	2 750	0.80	0.10	1 980[b]			40		5 590
PEKISKO A ASSOC	2 787	0.55	0.10	1 380[b]			40		2 643
PEKISKO A SOLN	123	0.60	0.15	63[b]			40		
JURASSIC A&PEKISKO A TOTAL	5 660	0.65	0.10	3 423[b]	3 155[b]	268	40	10 680	
OTHER	787			544	139	405		15 741	
TOTAL-GREENCOURT	7 137			4 495	3 295	1 200		46 658	
GREENCOURT EAST 059-06W5									
TOTAL-GREENCOURT EAST	450			291	92	199		7 700	
GREGG (SA) 049-25W5									
TOTAL-GREGG	136			92		92		3 498	
GREY (SA) 045-19W5									
TOTAL-GREY	181			129		129		4 887	
GRIMSHAW 083-23W5									
TOTAL-GRIMSHAW	89			64	20	44		1 656	
GRIST 073-09W4									
GRAND RAPIDS A	785	0.55	0.05	410		410	37	15 297	9 853
OTHER	19			12		12		434	
TOTAL-GRIST	804			422		422		15 731	
GRIZZLY 062-22W5									
TOTAL-GRIZZLY	587			438	102	336		13 381	
GROAT 057-16W5									
LEDUC A	1 220	0.85	0.30	726	49	677	36	24 487	630
OTHER	1 129			715		715		27 165	
TOTAL-GROAT	2 349			1 441	49	1 392		51 652	
GROUARD 075-15W5									
TOTAL-GROUARD	76			50		50		1 859	
GROUSE 074-12W4									
TOTAL-GROUSE	263			134		134		4 974	
GUNN 055-03W5									
TOTAL-GUNN	426			281	80	201		7 766	
GUTAH 099-07W6									
TOTAL-GUTAH	47			31		31		1 146	
HABAY (SA) 088-06W6									
TOTAL-HABAY	47			26		26		985	
HACKETT 035-17W4									
LOWER MANNVILLE A	750	0.80	0.09	546	546	< 1	39	-	977
OTHER	799			524	273	251		9 582	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
14.66	0.173	0.20	1 250	17	0.975	0.57	316.1	1976	1985	PANALTA KANNGAZ
5.13	0.120	0.65	5 850	47	0.894	0.65	1 667.3	1971	1983	CWNGNUL
4.50	0.250	0.65	2 910	29	0.949	0.56	546.9	1958	1986	PANALTA TCPL
4.89	0.132	0.55	11 240	61	0.855	0.65	1 481.5	1974	1987	TCPL CWNGNUL
6.42	0.128	0.50	11 680	60	0.840	0.66	1 441.2	1961	1985	PRODUCTION DECLINE
10.77	0.117	0.75	11 210	63	0.850	0.66	1 455.4	1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.66		1961	1985	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1961	1985	TCPL CONCURRENT PRODUCTION
2.53	0.305	0.65	1 580	19	0.969	0.55	328.0	1979	1983	BER
13.00	0.074	0.85	26 910	90	0.890	0.77	3 054.8	1984	1986	PROGAS
8.24	0.180	0.70	8 400	41	0.837	0.67	1 169.5	1952	1985	TCPL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
HACKETT 035-17W4 (CONTINUED)									
TOTAL-HACKETT	1 549			1 070	819	251		9 582	
HAIRY HILL 055-14W4									
VIKING A	824	0.40	0.05	314	234	80	37	2 983	18 839
COLONY W	1 900	0.72	0.05	1 300	1 149	151	37	5 590	1 781
COLONY X	954	0.65	0.05	589	510	79	37	2 955	1 941
D-2 B	507	0.75	0.05	361	295	66	37	2 462	1 046
CAMROSE A	682	0.85	0.05	551	526	25	37	933	4 004
OTHER	3 031			1 939	905	1 034		38 704	
TOTAL-HAIRY HILL	7 898			5 054	3 619	1 435		53 627	
HALKIRK 038-16W4									
TOTAL-HALKIRK	1 957			1 091	239	852		31 186	
HALKIRK EAST 040-14W4									
TOTAL-HALKIRK EAST	719			470	9	461		16 173	
HALLIDAY 028-14W4									
TOTAL-HALLIDAY	108			77	22	55		2 055	
HAMBURG 095-11W6									
SLAVE POINT A	2 276	0.80	0.05	1 730	614	1 116	38	41 906	1 149
TOTAL-HAMBURG	2 276			1 730	614	1 116		41 906	
HAMELIN CREEK 080-06W6									
TOTAL-HAMELIN CREEK	473			314	150	164		6 181	
HANDHILLS (SA) 029-17W4									
TOTAL-HANDHILLS	20			14		14		536	
HANGINGSTONE 084-09W4									
UPPER MANNVILLE A	2 298	0.60	0.05	1 310		1 310	37	48 536	30 681
OTHER	762			378		378		14 101	
TOTAL-HANGINGSTONE	3 060			1 688		1 688		62 637	
HANLAN 047-17W5									
CARDIUM A	555	0.90	0.15	425		425	41	17 217	200
CARDIUM 03-046-17	485	0.90	0.05	415		415	39	16 347	200
WINTERBURN B	859	0.75	0.10	580	317	263	38	9 870	200
BEAVERHILL LAKE A	40 000	0.80	0.25	24 000	4 562	19 438	38	735 340	8 656
BEAVERHILL LAKE B	1 299	0.80	0.25	779	221	558	38	21 020	440
OTHER	832			544		544		21 709	
TOTAL-HANLAN	44 030			26 743	5 100	21 643		821 503	
HANNA 031-14W4									
UPPER MANNVILLE E	194	0.70	0.10	122			38		300
LOWER MANNVILLE F	940	0.80	0.10	677			39		2 807
U MANN E & L MANN F TOTAL	1 134	0.80	0.10	799	695	104	39	4 018	
LOWER MANNVILLE E	403	0.80	0.05	306	242	64	39	2 479	1 139
OTHER	950			621	72	549		20 603	
TOTAL-HANNA	2 487			1 726	1 009	717		27 100	
HARDY 076-05W4									
MCMURRAY D	1 120	0.75	0.05	798		798	37	29 598	4 049
MCMURRAY A	543	0.50	0.05	258			37		6 542
MCMURRAY D	56	0.50	0.05	27			37		200
MCMURRAY E	1 176	0.50	0.05	559			37		7 592
MCMURRAY A,D & E TOTAL	1 775	0.50	0.05	844	237	607	37	22 678	
OTHER	1 403			714	30	684		25 460	
TOTAL-HARDY	4 298			2 356	267	2 089		77 736	
HARLECH (SA) 044-14W5									
TOTAL-HARLECH	204			146		146		5 899	
HARLEY 056-27W5									
LEDUC 15-056-27	861	0.70	0.10	543		543	39	21 318	200
OTHER	92			67		67		2 673	
TOTAL-HARLEY	953			610		610		23 991	
HARMATTAN EAST 032-03W5									
RUNDLE SOLN	5 624	0.37	0.30	1 457[b]			41[a]		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.75	0.255	0.50	4 320	21	0.914	0.58	488.4	1949	1988	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
8.26	0.300	0.75	4 340	25	0.919	0.58	538.1	1954	1985	TCPL CWNGNUL MATERIAL BALANCE
5.40	0.290	0.70	4 190	27	0.923	0.57	561.3	1972	1985	CWNGNUL TCPL PRODUCTION DECLINE
5.40	0.184	0.75	3 990	27	0.928	0.56	628.6	1964	1982	TCPL CWNGNUL PRODUCTION DECLINE
3.25	0.105	0.60	3 940	29	0.931	0.56	661.7	1973	1984	PANALTA TCPL PRODUCTION DECLINE
13.56	0.085	0.85	26 240	109	0.966	0.61	2 534.7	1983	1986	
3.50	0.350	0.60	1 000	12	0.979	0.56	306.9	1974	1986	
9.56	0.140	0.85	26 130	79	0.865	0.78	2 653.6	1974	1976	PANALTA PROGAS BER
19.52	0.054	0.85	33 710	83	0.995	0.60	2 887.3	1978	1982	TCPL CNG BER
44.30	0.070	0.85	60 710	123	1.285	0.60	4 133.1	1980	1988	PANALTA MATERIAL BALANCE TOP/BASE TVD
22.10	0.085	0.90	43 810	144	1.093	0.72	4 625.0	1976	1988	PANALTA
18.52	0.064	0.90	43 840	138	1.096	0.71	4 774.3	1979	1988	PANALTA
2.60	0.250	0.65	9 470	36	0.828	0.64	1 127.4	1972	1986	MATERIAL BALANCE
1.66	0.192	0.80	9 490	37	0.824	0.64	1 151.5	1949	1988	PRODUCTION DECLINE
								1949	1988	
1.29	0.210	0.70	9 310	37	0.823	0.65	1 139.1	1972	1982	TCPL KANNGAZ MATERIAL BALANCE
7.17	0.278	0.75	1 790	13	0.962	0.56	309.2	1983	1988	
2.60	0.271	0.60	1 940	19	0.962	0.55	339.9	1979	1988	
6.40	0.320	0.65	2 030	15	0.958	0.56	389.1	1984	1988	
4.27	0.261	0.70	1 960	19	0.961	0.56	340.7	1984	1988	
								1979	1987	
33.53	0.060	0.80	44 110	144	1.125	0.71	4 635.0	1976	1980	PANALTA BER
						0.82		1954	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
HARMATTAN EAST 032-03W5 (CONTINUED)									
RUNDLE ASSOC	36 252	c	c	28 000[b]	15 322[b]	14 135	41[a]	578 546	19 341
OTHER	1 615			876	126	750		30 628	
TOTAL-HARMATTAN EAST	43 491			30 333	15 448	14 885		609 174	
HARMATTAN-ELKTON 031-04W5									
RUNDLE B SOLN	18	0.65	0.30	8[b]			40		
RUNDLE B ASSOC	2 353	0.85	0.15	1 700[b]	1 019[b]	689	40	27 705	2 643
RUNDLE C SOLN	5 143	0.65	0.30	2 340[b]			41[a]		
RUNDLE C ASSOC	31 326	c	c	23 300[b]	8 150[b]	17 490	41[a]	725 485	7 020
RUNDLE A	2 400	0.25	0.14	516	433	83	39	3 224	849
D-3 A	13 400	0.28	0.79	788	683	105	36	3 761	4 527
OTHER	155			98		98		3 847	
TOTAL-HARMATTAN-ELKTON	54 795			28 750	10 285	18 465		764 022	
HARMON VALLEY (SA) 082-18W5									
TOTAL-HARMON VALLEY	61			38		38		1 423	
HARO 101-03W6									
BLUESKY A	3 094	0.50	0.05	1 470			37		46 428
BLUESKY A	4 526	0.70	0.05	3 010			36		26 539
BLUESKY A	28	0.70	0.05	19			36		718
BLUESKY A	653	0.70	0.05	434			36		6 557
BLUESKY A	4	0.55	0.05	2			36		200
BLUESKY A	5	0.55	0.05	3			36		200
BLUESKY A	5	0.65	0.05	3			36		200
BLUESKY A	5	0.70	0.05	4			36		200
BLUESKY A	13	0.50	0.05	7			36		200
BLUESKY A	8	0.70	0.05	6			37		200
BLUESKY A TOTAL	8 341	0.65	0.05	4 958	1 760	3 198	37	117 463	
OTHER	1 114			670	180	490		17 964	
TOTAL-HARO	9 455			5 628	1 940	3 688		135 427	
HARPER (SA) 097-24W4									
TOTAL-HARPER	107			47		47		1 826	
HARTELL 019-02W5									
TOTAL-HARTELL	364			77	77				
HARTMAN 067-04W5									
TOTAL-HARTMAN	23			15		15		567	
HASTINGS 050-20W4									
TOTAL-HASTINGS	327			208	111	97		3 667	
HATTONFORD (SA) 057-14W5									
TOTAL-HATTONFORD	75			48		48		1 969	
HAWK 097-20W5									
TOTAL-HAWK	32			22		22		824	
HAYNES 038-24W4									
TOTAL-HAYNES	221			128	6	122		4 668	
HAYS 013-14W4									
UPPER ARCS 25-012-15	633	0.85	0.25	404		404	35	14 164	400
OTHER	696			457		457		16 313	
TOTAL-HAYS	1 329			861		861		30 477	
HAYTER 041-01W4									
TOTAL-HAYTER	340			243	5	238		8 428	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.14	0.088	0.73	23 600	85	0.840	0.82	2 521.3	1954	1987	A&S TCPL PANALTA CONCURRENT PRODUCTION GAS CYCLING
						0.71		1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
1.61	0.092	0.80	23 670	91	0.895	0.71	2 726.9	1960	1986	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
						0.71		1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
21.20	0.105	0.90	25 030	94	0.873	0.71	2 673.0	1954	1983	A&S TCPL CONCURRENT PRODUCTION GAS CYCLING
8.63	0.124	0.80	24 790	75	0.887	0.71	2 780.4	1957	1987	TCPL PRODUCTION DECLINE
22.22	0.050	0.90	32 230	110	0.777	0.92	3 351.8	1961	1983	A&S TCPL MATERIAL BALANCE
2.46	0.210	0.40	3 100	19	0.936	0.57	335.3	1972	1987	PART OF BLSKY POOL NO.1
6.30	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1984	PART OF BLSKY POOL NO.1
1.43	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
3.68	0.210	0.40	3 100	19	0.937	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
0.90	0.160	0.40	3 080	30	0.945	0.59	638.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-10-104-5 W6M
1.20	0.160	0.40	3 130	30	0.944	0.59	637.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-18-104-5 W6M
1.30	0.160	0.40	3 190	25	0.940	0.59	449.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-104-5 W6M
0.90	0.210	0.40	3 100	24	0.941	0.59	458.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-9-105-5 W6M
4.70	0.210	0.40	1 730	27	0.968	0.59	570.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-30-106-6 W6M
1.85	0.180	0.40	3 100	30	0.944	0.59	577.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-33-104-6 W6M
								1972	1987	A&S CWNGNUL PANALTA TCPL PART OF BLSKY POOL NO.1
9.75	0.142	0.85	11 810	42	0.793	0.86	1 337.8	1985	1988	BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HEART LAKE 069-10W4									
TOTAL-HEART LAKE	686			359	117	242		8 891	
HEART RIVER 077-16W5									
PADDY A	900	0.50	0.05	428	100	328	37	12 267	3 004
NOTIKEWIN	1 500	0.65	0.05	926	495	431	37	16 141	3 844
OTHER	238			159	33	126		4 687	
TOTAL-HEART RIVER	2 638			1 513	628	885		33 095	
HEATHDALE 027-08W4									
TOTAL-HEATHDALE	1 625			1 133	45	1 088		40 896	
HECTOR 016-17W4									
TOTAL-HECTOR	679			516	71	445		16 907	
HELDAR 058-07W5									
NORDEGG B	790	0.85	0.10	605	41	564	39	21 878	1 769
OTHER	866			586		586		23 321	
TOTAL-HELDAR	1 656			1 191	41	1 150		45 199	
HELICOPTER 102-08W6									
TOTAL-HELICOPTER	36			24		24		870	
HELMSDALE 026-06W4									
TOTAL-HELMSDALE	28			20	20				
HERCULES 051-23W4									
TOTAL-HERCULES	785			491	115	376		13 823	
HERRONTON 019-26W4									
BELLY RIVER A		0.80	0.05				36		7 664
BELLY RIVER B		0.80	0.05				36		2 491
BELLY RIVER A & B TOTAL	1 619	0.80	0.05	1 230	1 181	49	36	1 783	
OTHER	680			363	109	254		9 383	
TOTAL-HERRONTON	2 299			1 593	1 290	303		11 166	
HIGH PRAIRIE 074-16W5									
TOTAL-HIGH PRAIRIE	486			340		340		12 576	
HIGH RIVER (SA) 018-29W4									
TOTAL-HIGH RIVER	207			124		124		5 176	
HIGHLAND 029-02W4									
TOTAL-HIGHLAND	400			298		298		11 288	
HIGHVALE 051-04W5									
LOWER MANNVILLE A SOLN	455	0.47	0.15	182[b]			39		
LOWER MANNVILLE A ASSOC	243	0.75	0.10	164[b]	92[b]	254	39	9 830	1 139
NORDEGG D	19	0.80	0.10	14			40		128
BANFF H SOLN	725	0.65	0.15	400			42		
NORDEGG D & BANFF H TOTAL	744	0.65	0.15	414	18	396	42	16 597	
OTHER	3 713			2 433	208	2 225		86 671	
TOTAL-HIGHVALE	5 155			3 193	318	2 875		113 098	
HIGHWOOD (SA) 017-02W5									
TOTAL-HIGHWOOD	3			2		2		80	
HILL 085-11W6									
TOTAL-HILL	162			115	16	99		3 837	
HILLSDOWN 037-25W4									
TOTAL-HILLSDOWN	262			159		159		6 013	
HINES 085-03W6									
SPIRIT RIVER F	748	0.70	0.05	498	51	447	38	16 874	3 228
OTHER	1 540			960	349	611		22 833	
TOTAL-HINES	2 288			1 458	400	1 058		39 707	
HINTON 051-25W5									
TOTAL-HINTON	514			244	172	72		2 737	
HOLBURN 050-01W5									
TOTAL-HOLBURN	1 442			997	186	811		32 095	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.45	0.278	0.70	1 870	21	0.964	0.55	493.5	1952	1988	LOC U PANALTA MATERIAL BALANCE
4.46	0.327	0.65	3 270	24	0.940	0.55	533.9	1952	1988	LOC U PANALTA MATERIAL BALANCE
3.85	0.163	0.60	11 160	50	0.828	0.66	1 269.1	1980	1988	
4.10	0.212	0.65	3 280	35	0.948	0.57	922.4	1973	1985	MATERIAL BALANCE
3.01	0.200	0.55	3 310	35	0.947	0.57	995.4	1973	1984	MATERIAL BALANCE
								1973	1984	CWNGNUL
						0.70		1977	1986	CONCURRENT PRODUCTION
1.19	0.149	0.65	16 520	49	0.787	0.70	1 568.5	1977	1986	CONCURRENT PRODUCTION
1.40	0.090	0.60	17 230	49	0.761	0.73	1 587.3	1985	1986	
						0.74		1981	1986	
								1985	1987	
3.99	0.315	0.65	2 860	29	0.949	0.56	609.9	1978	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
HOLLOW 061-20W4									
TOTAL-HOLLOW	394			245	74	171		6 471	
HOLMBERG 044-17W4									
GLAUCONITIC E	612	0.75	0.10	413	124	289	38	10 994	1 060
GLAUCONITIC G	390	0.85	0.05	315	198	117	38	4 476	582
GLAUCONITIC A	569	0.75	0.05	406			36		1 586
MANNVILLE D	180	0.70	0.10	113			37		300
GLAUC A & MANNVILLE D TOTAL	749	0.75	0.05	519	232	287	37	10 504	
OTHER	3 568			2 326	417	1 909		70 936	
TOTAL-HOLMBERG	5 319			3 573	971	2 602		96 910	
HOMEGLEN-RIMBEY 043-01W5									
D-3 SOLN	2 459	0.50	0.20	984[b]			38		
D-3 ASSOC	30 588	0.90	0.15	23 400[b]	23 913[b]	471	38	18 124	4 661
OTHER	2 348			1 487	247	1 240		49 528	
TOTAL-HOMEGLEN-RIMBEY	35 395			25 871	24 160	1 711		67 652	
HONDO 070-27W4									
TOTAL-HONDO	51			35		35		1 308	
HONEYSUCKLE (SA) 046-26W4									
TOTAL-HONEYSUCKLE	90			63		63		2 541	
HOOKER 015-29W4									
LIVINGSTONE 05-015-29	711	0.70	0.20	398		398	37	14 873	200
OTHER	127			86		86		3 457	
TOTAL-HOOKER	838			484		484		18 330	
HOOLE 081-24W4									
WABISKAW A	728	0.70	0.05	485	204	281	37	10 414	7 292
WABAMUN A	1 163	0.65	0.05	718	4	714	38	26 889	9 296
OTHER	203			122		122		4 480	
TOTAL-HOOLE	2 094			1 325	208	1 117		41 783	
HORSEFLY LAKE 008-16W4									
TOTAL-HORSEFLY LAKE	40			26		26		879	
HOSELAW 060-06W4									
TOTAL-HOSELAW	193			122	43	79		2 908	
HOTCHKISS 094-01W6									
BLUESKY A	965	0.80	0.05	733			35		5 282
BLUESKY B	343	0.70	0.05	228			37		400
BLUESKY I	6	0.70	0.05	4			36		200
BLUESKY A,B & I TOTAL	1 314	0.75	0.05	965	830	135	35	4 775	
BLSK-DETR-DBLT A		0.70	0.05				36		8 039
BLSK-DETR-DBLT A		0.70	0.05				37		300
BLSK-DETR-DBLT A TOTAL	4 316	0.70	0.05	2 870	2 410	460	37	16 997	
BLUESKY D	630	0.80	0.05	479			37		2 177
BLUESKY E	1 355	0.80	0.05	1 030			37		4 682
BLUESKY G	23	0.60	0.05	13			37		200
SHUNDA A	2 803	0.80	0.05	2 130			37		15 685
BLUESKY D,E,G,& SHUN TOTAL	4 811	0.80	0.05	3 652	2 200	1 452	37	53 709	
DEBOLT B	652	0.50	0.05	310	232	78	36	2 840	1 880
OTHER	680			436	115	321		11 880	
TOTAL-HOTCHKISS	11 773			8 233	5 787	2 446		90 201	
HOUSE 082-15W4									
GROSMONT A	4 473	0.40	0.05	1 700	472	1 228	37	45 325	67 671
OTHER	213			109		109		3 645	
TOTAL-HOUSE	4 686			1 809	472	1 337		48 970	
HOWARD 079-05W6									
TOTAL-HOWARD	200			139		139		5 308	
HUDSON 030-02W4									
VIKING A	1 067	0.70	0.08	687	580	107	37	3 957	7 860

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.64	0.229	0.70	7 560	44	0.874	0.67	1 042.8	1970	1986	A&S
4.33	0.254	0.75	7 580	33	0.868	0.59	1 055.3	1976	1986	A&S TCPL
2.85	0.220	0.70	7 620	33	0.866	0.64	1 028.6	1971	1986	
5.25	0.216	0.65	7 540	33	0.863	0.67	1 047.2	1977	1986	
								1971	1986	A&S TCPL
						0.77		1953	1988	A&S TCPL KANNGAZ PRODUCTION DECLINE CONCURRENT PRODUCTION
52.52	0.075	0.90	19 530	82	0.843	0.77	2 387.5	1953	1988	A&S TCPL KANNGAZ PRODUCTION DECLINE CONCURRENT PRODUCTION
21.00	0.098	0.80	24 900	86	0.913	0.68	3 388.1	1980	1982	PROGAS BER
2.30	0.267	0.60	2 680	23	0.950	0.56	418.3	1967	1987	PROGAS
5.18	0.140	0.75	2 300	24	0.957	0.57	457.4	1967	1985	PANALTA PROGAS
1.56	0.250	0.50	5 450	23	0.902	0.60	676.0	1971	1981	MATERIAL BALANCE
2.90	0.180	0.75	5 420	30	0.908	0.58	690.1	1974	1986	PRODUCTION DECLINE
0.62	0.150	0.65	5 020	31	0.918	0.59	678.5	1978	1978	
								1971	1988	
5.12	0.210	0.50	5 500	30	0.907	0.58	726.3	1973	1988	PART OF BLSKY-DETR-DBLT NO.1 MATERIAL BALANCE
4.70	0.200	0.65	5 500	30	0.907	0.56	709.4	1973	1988	PART OF BLSKY-DETR-DBLT NO.1 MATERIAL BALANCE ASSIGNED WELL: 10-20-094-01W6M
								1973	1988	PART OF BLSKY-DETR-DBLT NO.1
1.29	0.218	0.60	5 350	30	0.908	0.57	715.2	1974	1987	MATERIAL BALANCE
1.38	0.230	0.55	5 220	26	0.906	0.58	647.8	1976	1987	MATERIAL BALANCE
1.00	0.180	0.70	5 140	25	0.908	0.56	663.4	1977	1987	MATERIAL BALANCE
3.07	0.182	0.50	5 355	29	0.906	0.58	683.7	1975	1987	MATERIAL BALANCE
								1974	1987	PANALTA TCPL
4.39	0.230	0.60	5 460	27	0.904	0.58	688.5	1972	1984	PANALTA
26.23	0.120	0.15	1 390	18	0.972	0.57	314.5	1973	1988	PANALTA
1.82	0.220	0.40	6 570	32	0.892	0.57	731.1	1956	1985	PANALTA TCPL PART OF VIK POOL NO.5 PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
HUDSON 030-02W4 (CONTINUED)									
OTHER	790			557	43	514		19 020	
TOTAL-HUDSON	1 857			1 244	623	621		22 977	
HUNTER VALLEY 029-09W5									
RUNDLE A	2 844	0.75	0.25	1 600	729	871	38	32 689	1 117
TOTAL-HUNTER VALLEY	2 844			1 600	729	871		32 689	
HUSSAR 025-20W4									
BELLY RIVER A	391	0.80	0.05	297			37		4 984
BELLY RIVER D	281	0.80	0.05	214			37		3 699
BELLY RIVER E	4	0.80	0.05	3			37		128
BELLY RIVER F	21	0.80	0.05	16			37		250
BELLY RIVER A,D,E & F TOTAL	697	0.80	0.05	530	475	55	37	2 029	
MILK RIVER A	193	0.70	0.05	128			36		2 453
MEDICINE HAT A	4 344	0.70	0.03	2 950			36		63 330
BELLY RIVER C	58	0.55	0.05	30			37		646
SE ALTA GAS SYS (MU) TOTAL	4 595	0.70	0.05	3 108	271	2 837	36	103 494	
VIKING B	792	0.90	0.05	677	261	416	38	15 866	4 583
VIKING E	413	0.80	0.05	314	300	14	37	523	5 499
VIKING L	653	0.70	0.05	434	187	247	37	9 097	3 112
BASAL COLORADO A	584	0.90	0.05	500	365	135	37	4 987	6 752
BASAL COLORADO C	690	0.80	0.05	524	497	27	37	995	6 507
GLAUCONITIC B SOLN	105	0.65	0.15	58[b]			38		
GLAUCONITIC B ASSOC	609	0.90	0.10	493[b]	425[b]	126	38	4 841	1 329
GLAUCONITIC A ASSOC	2 367	0.92	0.10	1 960[b]			39		2 397
GLAUCONITIC A SOLN	572	0.65	0.25	279[b]			39		
GLAUCONITIC A ASSOC	351	0.92	0.10	290[b]			39		256
GLAUCONITIC A TOTAL	3 290	0.85	0.10	2 529[b]	1 292[b]	1 237	39	47 860	
GLAUCONITIC N	3 766	0.90	0.05	3 220	3 078	142	39	5 515	5 111
GLAUCONITIC P	658	0.85	0.05	531	478	53	40	2 094	150
GLAUCONITIC Q	712	0.90	0.10	577	557	20	40	793	617
GLAUCONITIC R	509	0.90	0.10	412	400	12	40	478	150
GLAUCONITIC FF	555	0.80	0.05	422	368	54	39	2 101	200
GLAUCONITIC JJ	1 324	0.65	0.10	775	281	494	39	19 390	6 004
GLAUCONITIC III	567	0.80	0.10	409	135	274	39	10 727	2 012
OSTRACOD F	764	0.90	0.10	619	55	564	40	22 301	3 359
OSTRACOD R	685	0.80	0.05	521	248	273	40	10 786	2 952
BASAL MANNVILLE B	1 374	0.80	0.10	989	14	975	39	38 298	953
OTHER	10 001			6 366	2 543	3 823		149 034	
TOTAL-HUSSAR	33 343			24 008	12 230	11 778		451 209	
HUXLEY 034-24W4									
VIKING A		0.70	0.05				38		4 892
UPPER MANNVILLE A		0.70	0.05				39		200
LOWER MANNVILLE A		0.70	0.05				40		200
VIK A,UMN A & LMN A TOTAL	1 699	0.70	0.05	1 130	863	267	39	10 440	
OTHER	937			542	113	429		16 431	
TOTAL-HUXLEY	2 636			1 672	976	696		26 871	
HYLO 065-15W4									
LOWER MANNVILLE A	749	0.70	0.05	498	177	321	37	11 903	6 122
OTHER	1 334			854	309	545		20 212	
TOTAL-HYLO	2 083			1 352	486	866		32 115	
HYTHE 073-10W6									
HALFWAY G	500	0.90	0.10	405	28	377	41	15 295	200
OTHER	1 449			960	22	938		37 937	
TOTAL-HYTHE	1 949			1 365	50	1 315		53 232	
INLAND 051-15W4									
TOTAL-INLAND	3 035			1 601	623	978		35 956	
INNISFAIL 035-01W5									
D-3 SOLN	5 910	0.60	0.45	1 950	1 945	5	39	196	
OTHER	1 570			926	14	912		35 985	
TOTAL-INNISFAIL	7 480			2 876	1 959	917		36 181	
INVERNESS (SA) 068-12W5									
TOTAL-INVERNESS	84			53		53		2 059	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
16.21	0.058	0.80	24 670	64	0.861	0.66	2 634.6	1962	1984	A&S TCPL MATERIAL BALANCE
2.12	0.250	0.50	2 960	27	0.947	0.56	629.9	1960	1985	
1.91	0.250	0.50	3 170	27	0.944	0.56	638.0	1960	1985	
0.81	0.250	0.50	3 170	27	0.944	0.56	662.9	1968	1985	
2.16	0.250	0.50	3 170	27	0.944	0.56	694.4	1965	1988	
								1960	1985	CWNGNUL TCPL
2.82	0.154	0.55	3 140	16	0.937	0.56	798.8	1910	1987	PART OF MILK RIV POOL NO.1
1.59	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
2.22	0.205	0.60	3 170	20	0.939	0.56	649.7	1964	1984	
								1904	1984	PROGAS TCPL
1.50	0.203	0.70	7 740	40	0.868	0.62	1 229.0	1955	1985	TCPL
1.08	0.203	0.70	7 930	38	0.871	0.60	1 141.5	1961	1987	TCPL PRODUCTION DECLINE
3.23	0.154	0.55	7 250	33	0.878	0.60	1 056.6	1955	1985	TCPL
1.06	0.169	0.70	8 550	44	0.880	0.59	1 320.1	1952	1984	TCPL MATERIAL BALANCE
1.07	0.177	0.70	8 470	45	0.891	0.56	1 255.8	1955	1988	TCPL MATERIAL BALANCE
						0.66		1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
2.29	0.203	0.70	10 140	45	0.828	0.66	1 434.0	1956	1985	TCPL MATERIAL BALANCE CONCURRENT PRODUCTION
5.14	0.227	0.75	10 200	44	0.811	0.69	1 426.5	1952	1987	CONING GAS CAP
						0.69		1952	1987	CONING GAS CAP
7.19	0.219	0.75	10 240	44	0.810	0.69	1 439.6	1952	1986	CONING GAS CAP
								1952	1987	TCPL CONING GAS CAP
4.38	0.209	0.70	10 140	44	0.831	0.64	1 366.0	1955	1984	TCPL PRODUCTION DECLINE
17.37	0.220	0.75	10 270	44	0.824	0.64	1 375.0	1957	1988	TCPL PRODUCTION DECLINE
3.23	0.208	0.70	10 140	44	0.816	0.66	1 401.2	1960	1987	TCPL PRODUCTION DECLINE
17.27	0.210	0.70	10 270	44	0.809	0.67	1 416.4	1960	1988	TCPL PRODUCTION DECLINE
1.85	0.220	0.75	10 070	44	0.778	0.75	1 402.7	1968	1988	TCPL PRODUCTION DECLINE
2.52	0.178	0.45	9 900	43	0.826	0.65	1 419.4	1960	1987	TCPL
2.43	0.190	0.55	10 000	39	0.821	0.64	1 254.9	1954	1988	TCPL PART OF GLAUC POOL NO.6
1.40	0.211	0.75	9 470	44	0.828	0.66	1 394.8	1956	1973	TCPL
1.74	0.200	0.70	10 220	46	0.817	0.67	1 449.1	1956	1984	TCPL MATERIAL BALANCE
12.17	0.150	0.70	10 160	42	0.813	0.66	1 370.6	1960	1985	TCPL
4.03	0.150	0.40	8 570	52	0.870	0.63	1 490.0	1962	1988	PRODUCTION DECLINE
2.10	0.180	0.50	11 250	60	0.833	0.68	1 592.5	1963	1985	PRODUCTION DECLINE
2.70	0.190	0.65	11 420	62	0.837	0.67	1 686.0	1962	1985	PRODUCTION DECLINE
								1962	1985	TCPL PROGAS
3.62	0.244	0.55	2 460	19	0.951	0.56	482.2	1972	1988	TCPL
14.80	0.090	0.80	22 620	59	0.826	0.69	2 179.7	1981	1988	
						0.83		1957	1976	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
IOSEGUN (SA) 067-20W5									
TOTAL-IOSEGUN	128			90		90		3 164	
IPIATIK 072-09W4									
GRAND RAPIDS A	794	0.60	0.05	452	196	256	37	9 449	9 444
GRAND RAPIDS B	653	0.50	0.05	311	178	133	37	4 900	7 281
OTHER	654			335	138	197		7 266	
TOTAL-IPIATIK	2 101			1 098	512	586		21 615	
IRON SPRINGS 011-20W4									
TOTAL-IRON SPRINGS	238			159		159		5 584	
IRRICANA 027-27W4									
WABAMUN A	1 333	0.45	0.25	450	417	33	36	1 196	801
WABAMUN B	1 070	0.55	0.20	471		471	37	17 210	1 930
OTHER	222			140	57	83		3 018	
TOTAL-IRRICANA	2 625			1 061	474	587		21 424	
ISLAY 050-04W4									
TOTAL-ISLAY	57			41	4	37		1 284	
JACK 085-04W6									
TOTAL-JACK	286			199	43	156		5 820	
JARVIE 063-01W5									
VIKING A	522	0.80	0.05	397	22	375	38	14 381	5 293
ELLERSLIE B	495	0.75	0.05	352	94	258	39	9 956	2 017
OTHER	1 293			851	143	708		26 870	
TOTAL-JARVIE	2 310			1 600	259	1 341		51 207	
JARVIE NORTH 064-02W5									
TOTAL-JARVIE NORTH	336			225		225		8 486	
JASLAN 067-21W4									
TOTAL-JASLAN	109			72		72		2 700	
JEAN (SA) 098-24W4									
TOTAL-JEAN	38			27		27		992	
JEFFREY 059-23W4									
TOTAL-JEFFREY	140			93	1	92		2 901	
JENNER 020-09W4									
MILK RIVER A	5 278	0.70	0.05	3 510			36		38 808
MEDICINE HAT A	1 914	0.70	0.03	1 300			36		36 071
MEDICINE HAT C	74	0.50	0.03	36			36		2 841
MEDICINE HAT D	144	0.50	0.03	70			36		4 999
SECOND WHITE SPECKS A	1 585	0.75	0.05	1 130			36		20 095
SE ALTA GAS SYS(MU) TOTAL	8 995	0.70	0.05	6 046	1 890	4 156	36	151 569	
VIKING J	434	0.80	0.05	330	137	193	37	7 160	2 968
BASAL COLORADO D	669	0.85	0.05	541	64	477	36	17 339	2 166
ARCS A	534	0.80	0.20	342	175	167	35	5 832	400
OTHER	4 104			2 639	476	2 163		78 311	
TOTAL-JENNER	14 736			9 898	2 742	7 156		260 211	
JILES 063-21W4									
TOTAL-JILES	281			164	42	122		4 565	
JOAN 092-10W5									
TOTAL-JOAN	111			72		72		2 718	
JOARCAM 048-21W4									
VIKING C SOLN	5	0.60	0.05	3[b]			38		
VIKING C ASSOC	983	0.60	0.05	561[b]	41[b]	523	38	19 895	19 446
VIKING ASSOC	2 174	0.80	0.35	1 130[b]			37		13 277
VIKING SOLN	1 445	0.54	0.40	468[b]			37		
VIKING ASSOC	2	0.55	0.05	1[b]			38		16
VIKING TOTAL	3 621	0.70	0.35	1 599[b]	1 263[b]	336	37	12 378	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.42	0.296	0.70	1 630	13	0.966	0.56	317.2	1974	1986	PANALTA SLPETRO
2.79	0.282	0.70	1 590	14	0.967	0.56	318.0	1974	1986	PANALTA SLPETRO
4.07	0.050	0.70	24 340	74	0.916	0.65	2 317.3	1958	1986	WCOAST PRODUCTION DECLINE
6.52	0.054	0.70	24 200	71	0.889	0.71	2 345.8	1969	1986	PANALTA PROGAS
1.34	0.209	0.60	5 610	32	0.891	0.61	674.6	1960	1987	PANALTA
2.60	0.219	0.65	6 460	40	0.885	0.62	905.9	1965	1986	PANALTA
5.38	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.23	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.66	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.73	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.02	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1987	PANALTA TCPL
1.35	0.242	0.60	6 760	23	0.871	0.59	745.9	1971	1984	TCPL
2.11	0.226	0.65	8 950	28	0.848	0.60	855.5	1980	1983	TCPL
11.30	0.131	0.80	10 500	46	0.830	0.79	1 214.2	1981	1983	NONCOMMERCIAL OIL
						0.61		1949	1987	CWNGNUL PANALTA SLPETRO A&S NORCEN CONCURRENT PRODUCTION
0.91	0.184	0.50	6 000	42	0.897	0.61	985.1	1949	1987	CWNGNUL PANALTA SLPETRO A&S NORCEN CONCURRENT PRODUCTION
1.96	0.196	0.70	5 960	38	0.895	0.64	984.0	1949	1988	CWNGNUL PANALTA SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
						0.64		1949	1988	CWNGNUL PANALTA SLPETRO A&S NORCEN CONCURRENT PRODUCTION GAS FLOOD
1.50	0.210	0.70	4 640	32	0.914	0.60	988.6	1987	1988	
								1949	1988	CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
JOARCAM 048-21W4 (CONTINUED)									
OTHER	2 305			1 574	83	1 491		56 360	
TOTAL-JOARCAM	6 914			3 737	1 387	2 350		88 633	
JOFFRE 038-26W4									
BLAIRMORE J	439	0.85	0.10	336	250	86	40	3 455	486
UPPER MANNVILLE A	393	0.85	0.15	284			41		205
UPPER MANNVILLE B	55	0.65	0.10	32			40		150
BLAIRMORE C	457	0.85	0.10	350			40		1 485
U MANN A&B,BLAIR C TOTAL	905	0.85	0.10	666	543	123	40	4 953	
D-2 SOLN	3 689	0.34	0.60	502	487	15	43	642	
OTHER	3 790			1 715	205	1 510		59 301	
TOTAL-JOFFRE	8 823			3 219	1 485	1 734		68 351	
JOHN LAKE 055-01W4									
TOTAL-JOHN LAKE	1 296			785	118	667		24 206	
JOHNSON 016-14W4									
MILK RIVER A	535	0.70	0.05	356			36		3 833
MEDICINE HAT A	17	0.70	0.03	12			36		821
SECOND WHITE SPECKS A	137	0.75	0.05	98			36		2 427
SE ALTA GAS SYS(MU) TOTAL	689	0.70	0.05	466	11	455	36	16 594	
OTHER	335			227		227		8 282	
TOTAL-JOHNSON	1 024			693	11	682		24 876	
JOLI FOU (SA) 081-20W4									
TOTAL-JOLI FOU	42			22		22		781	
JOLIET 025-07W4									
TOTAL-JOLIET	84			60		60		2 170	
JOSEPHINE 083-09W6									
KISKATINAW A	991	0.70	0.05	659	533	126	39	4 874	1 600
OTHER	43			31		31		1 161	
TOTAL-JOSEPHINE	1 034			690	533	157		6 035	
JOUSSARD (SA) 074-14W5									
TOTAL-JOUSSARD	202			141		141		5 332	
JUDSON (SA) 007-12W4									
TOTAL-JUDSON	24			16		16		585	
JUDY CREEK 063-11W5									
VIKING A SOLN	288	0.65	0.30	131[b]			38		
VIKING A ASSOC	2 747	0.91	0.10	2 250[b]	2 275[b]	106	38	4 043	8 965
BEAVERHILL LAKE A SOLN	16 038	0.53	0.30	5 950	5 381	569	36	20 211	
BEAVERHILL LAKE B SOLN	7 699	0.46	0.20	2 834	2 310	524	36	18 612	
OTHER	657			429	-834	1 263		45 577	
TOTAL-JUDY CREEK	27 429			11 594	9 132	2 462		88 443	
JUDY CREEK SOUTH 062-12W5									
TOTAL-JUDY CREEK SOUTH	727			415	65	350		13 684	
JUMPBUSH 019-20W4									
BOW ISLAND 020-21	577	0.75	0.05	411		411	36	14 862	1 947
OTHER	1 168			691	9	682		26 501	
TOTAL-JUMPBUSH	1 745			1 102	9	1 093		41 363	
JUMPING POUND 025-04W5									
MISSISSIPPIAN	6 435	0.88	0.17	4 700			39		469
MISSISSIPPIAN	18 209	0.88	0.17	13 300			39		1 485
MISSISSIPPIAN TOTAL	24 644	0.90	0.15	18 000	14 540	3 460	39	135 805	
OTHER	154			97		97		3 892	
TOTAL-JUMPING POUND	24 798			18 097	14 540	3 557		139 697	
JUMPING POUND WEST 025-06W5									
RUNDLE C	22 059	0.85	0.20	15 000	6 282	8 718	39	337 038	4 084
RUNDLE A		0.85	0.20				39		7 891
RUNDLE B		0.85	0.20				39		1 143
RUNDLE A & B TOTAL	52 941	0.85	0.20	36 000	17 237	18 763	39	730 256	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.77	0.150	0.75	15 150	55	0.780	0.71	1 790.2	1957	1987	PANALTA TCPL
3.91	0.226	0.89	14 180	68	0.791	0.75	1 761.0	1967	1980	MATERIAL BALANCE
3.35	0.120	0.75	11 200	54	0.803	0.71	1 784.3	1964	1988	
1.68	0.147	0.70	16 110	56	0.785	0.71	1 824.1	1958	1985	
								1954	1984	CWNGNUL TCPL
						0.86		1956	1988	TCPL
3.80	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.48	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.73	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1987	TCPL
9.27	0.130	0.70	15 640	69	0.845	0.66	1 749.9	1974	1986	TCPL MATERIAL BALANCE
						0.62		1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
2.40	0.178	0.65	8 890	56	0.878	0.62	1 387.1	1959	1986	A&S CWNGNUL MATERIAL BALANCE CONCURRENT PRODUCTION
						0.86		1959	1988	CWNGNUL A&S DEEP CUT SL
						0.86		1959	1988	CWNGNUL A&S
2.69	0.215	0.65	7 380	29	0.881	0.58	1 134.5	1973	1975	TCPL PROGAS
38.71	0.079	0.90	27 410	82	0.915	0.69	3 013.6	1944	1984	MATERIAL BALANCE DEEP CUT SL
43.28	0.079	0.90	27 410	82	0.915	0.69	2 989.5	1944	1984	MATERIAL BALANCE DEEP CUT SL
								1944	1983	CWNGNUL TCPL
40.58	0.061	0.85	29 470	83	0.917	0.74	3 478.1	1967	1986	CWNGNUL TCPL DEEP CUT SL
35.87	0.070	0.85	29 510	79	0.928	0.70	3 313.1	1961	1984	MATERIAL BALANCE TOP/BASE TVD DEEP CUT SL
36.82	0.068	0.85	29 600	88	0.936	0.70	3 588.5	1963	1986	MATERIAL BALANCE TOP/BASE TVD
								1961	1984	CWNGNUL TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
JUMPING POUND WEST 025-06W5 (CONTINUED)									
PEKISKO 19-026-06	475	0.85	0.15	343		343	39	13 281	200
MID TURNER VALL36-024-06	1 493	0.90	0.10	1 210		1 210	39	47 057	512
TURNER VALLY 36-024-06	722	0.90	0.20	520		520	39	20 108	512
OTHER	352			226		226		8 748	
TOTAL-JUMPING POUND WEST	78 042			53 299	23 519	29 780		1 156 488	
KAHNTAH (SA) 097-17W5									
TOTAL-KAHNTAH	52			32		32		1 191	
KAKISA (SA) 117-01W6									
TOTAL-KAKISA	20			14		14		511	
KAKUT 075-03W6									
TOTAL-KAKUT	333			234		234		9 157	
KAKWA 064-05W6									
A CARDIUM A SOLN	1 387	0.65	0.25	677		677	43[a]	28 915	
A CARDIUM A ASSOC	1 120	c	c	840		840	43[a]	35 876	3 432
OTHER	2 840			1 894	240	1 654		66 251	
TOTAL-KAKWA	5 347			3 411	240	3 171		131 042	
KALELAND (SA) 054-13W4									
TOTAL-KALELAND	146			99		99		3 679	
KARR 065-03W6									
BLUESKY A	13 725	0.75	0.15	8 750	1 293	7 457	40	301 859	21 091
OTHER	2 640			1 784	157	1 627		63 505	
TOTAL-KARR	16 365			10 534	1 450	9 084		365 364	
KAYBOB 064-19W5									
UPPER MANNVILLE A	123	0.70	0.05	82			39		150
NOTIKEWIN A	8 347	0.85	0.05	6 740			39		12 306
NOTIK A & U MANN A TOTAL	8 470	0.85	0.05	6 822	5 446	1 376	39	53 141	
NOTIKEWIN B	5 380	0.90	0.05	4 600	4 214	386	38	14 591	13 652
NOTIKEWIN E	621	0.85	0.05	502	146	356	38	13 674	2 850
GETHING K SOLN	328	0.65	0.55	96[b]			39		
GETHING K ASSOC	2 484	0.85	0.10	1 900[b]	713[b]	1 283	39	50 255	2 406
GETHING H	731	0.75	0.10	493	37	456	40	18 012	1 408
BEAVERHILL LAKE A SOLN	8 756	0.43	0.20	3 012	2 522	490	43	21 016	
BEAVERHILL LAKE B SOLN	552	0.65	0.15	305[b]			40		
BEAVERHILL LAKE B ASSOC	116	0.75	0.10	78[b]	112[b]	271	40	10 951	333
BEAVERHILL LAKE C	2 326	c	c	1 780	138	1 642	41	67 470	2 542
OTHER	4 130			2 806	102	2 704		104 958	
TOTAL-KAYBOB	33 894			22 394	13 430	8 964		354 068	
KAYBOB SOUTH 060-18W5									
VIKING A	585	0.90	0.05	501	369	132	39	5 209	2 072
BLUESKY B	1 055	0.75	0.10	712	57	655	39	25 800	1 701
GETHING A	843	0.75	0.05	600	330	270	39	10 598	1 452
GETHING D	1 529	0.85	0.10	1 170	173	997	32	32 383	3 120
GETHING H ASSOC	1 867	0.75	0.05	1 330	115	1 215	39	47 227	3 607
CADOMIN A	1 216	0.90	0.05	1 040	487	553	39	21 467	815
CADOMIN B	411	0.90	0.10	334		334	39	12 966	202
CADOMIN D	588	0.85	0.05	475	377	98	39	3 815	440
CADOMIN K	471	0.75	0.05	335	284	51	39	1 980	150
TRIASSIC A ASSOC	1 258	0.35	0.20	352[b]			44		1 415
TRIASSIC A SOLN	4 294	0.53	0.25	1 707[b]			44		
TRIASSIC A ASSOC	245	0.75	0.20	147[b]			44		782
TRIASSIC A TOTAL	5 797	0.50	0.25	2 206[b]	1 603[b]	603	44	26 598	
TRIASSIC B	2 206	0.80	0.15	1 500	483	1 017	40	41 138	1 721
NISKU A	486	0.90	0.10	393		393	42	16 329	440
BEAVERHILL LAKE A	104 424	c	c	36 400	14 357	22 043	40[a]	890 537	20 015
OTHER	6 083			3 986	581	3 405		133 586	
TOTAL-KAYBOB SOUTH	127 561			50 982	19 216	31 766		1 269 633	
KEHIWIN 059-06W4									
GRAND RAPIDS A	617	0.75	0.05	440	179	261	38	9 947	3 463
OTHER	766			485	142	343		12 755	
TOTAL-KEHIWIN	1 383			925	321	604		22 702	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
13.41	0.100	0.75	30 561	104	0.976	0.66	3 430.1	1977	1979	CWNGNUL TOP/BASE TVD
28.20	0.070	0.80	22 630	103	0.927	0.65	3 496.9	1983	1987	CWNGNUL TOP/BASE TVD
20.60	0.058	0.60	23 960	105	0.916	0.72	3 554.2	1983	1986	CWNGNUL TOP/BASE TVD
						0.85		1978	1987	SLPETRO GAS CYCLING
1.48	0.140	0.70	20 990	55	0.734	0.85	1 712.3	1978	1987	SLPETRO GAS CYCLING
3.76	0.121	0.70	19 560	69	0.796	0.77	2 286.3	1968	1988	PANALTA SLPETRO
6.70	0.180	0.65	10 780	64	0.872	0.62	1 557.1	1964	1987	
4.03	0.200	0.65	10 550	40	0.826	0.63	1 442.7	1957	1987	MATERIAL BALANCE
								1957	1987	A&S
2.84	0.159	0.65	9 790	56	0.875	0.61	1 503.6	1957	1986	A&S MATERIAL BALANCE
1.93	0.171	0.55	11 890	56	0.856	0.61	1 378.6	1978	1988	PROGAS TCPL
						0.66		1957	1988	CONCURRENT PRODUCTION
6.19	0.160	0.70	15 240	71	0.846	0.66	1 761.8	1957	1988	CONCURRENT PRODUCTION
3.63	0.146	0.70	14 540	75	0.849	0.67	1 874.2	1981	1985	
						0.79		1957	1988	A&S
						0.73		1961	1988	A&S CONCURRENT PRODUCTION
3.06	0.064	0.75	30 520	108	0.958	0.73	2 929.6	1961	1988	A&S CONCURRENT PRODUCTION
7.50	0.065	0.75	30 540	108	0.911	1.06	2 962.9	1961	1988	A&S GAS CYCLING
3.00	0.144	0.60	10 000	66	0.863	0.66	1 706.8	1960	1985	A&S MATERIAL BALANCE
5.36	0.118	0.75	13 700	80	0.844	0.71	2 153.7	1977	1988	
3.87	0.139	0.70	14 790	83	0.879	0.62	2 153.7	1959	1988	PANALTA PROGAS
4.40	0.124	0.65	14 110	57	0.880	0.67	2 101.1	1977	1983	PANALTA PROGAS DEEP CUT SL
4.25	0.140	0.65	14 570	80	0.877	0.63	2 009.6	1957	1987	PANALTA TCPL PART OF GETHING POOL NO.1 CONCURRENT PRODUCTION
7.16	0.148	0.65	15 380	83	0.877	0.64	2 045.2	1958	1973	TCPL A&S
5.79	0.148	0.65	16 580	84	0.866	0.68	2 129.0	1968	1973	TCPL
8.02	0.150	0.65	15 130	80	0.873	0.64	2 000.7	1967	1988	A&S PRODUCTION DECLINE
6.40	0.148	0.65	14 630	80	0.875	0.64	2 058.1	1963	1988	MATERIAL BALANCE
5.06	0.127	0.75	17 060	73	0.760	0.81	2 054.4	1962	1988	CONING GAS CAP
						0.81		1962	1988	CONING GAS CAP
1.78	0.127	0.75	17 060	73	0.760	0.81	2 090.8	1962	1988	
								1962	1988	A&S CONING GAS CAP
3.47	0.111	0.80	19 310	91	0.867	0.70	2 376.6	1976	1986	TCPL PROGAS MATERIAL BALANCE
12.20	0.050	0.80	28 270	108	0.932	0.73	2 907.7	1958	1984	A&S
31.12	0.079	0.80	31 720	115	0.880	1.01	3 371.6	1961	1985	A&S CNG GAS CYCLING
2.45	0.304	0.80	2 840	15	0.938	0.57	403.2	1971	1983	MIP TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
KEHO 011-22W4									
TOTAL-KEHO	823			518	236	282		9 859	
KELSEY 044-18W4									
BELLY RIVER B	445	0.75	0.05	317	287	30	38	1 126	4 190
OTHER	1 439			892	71	821		30 879	
TOTAL-KELSEY	1 884			1 209	358	851		32 005	
KEMP (SA) 098-23W5									
TOTAL-KEMP	14			9		9		333	
KENT 062-02W4									
GRAND RAPIDS B	478	0.70	0.05	318	81	237	38	8 890	2 879
OTHER	575			313	56	257		9 574	
TOTAL-KENT	1 053			631	137	494		18 464	
KETTLE (SA) 082-07W4									
TOTAL-KETTLE	21			12		12		441	
KIDNEY 091-04W5									
TOTAL-KIDNEY	17			10		10		375	
KILLAM 043-10W4									
UPPER & MIDDLE VIK. A ASSOC	1 924	0.75	0.03	1 400	1 164	236	36	8 588	64 713
ELLERSLIE C	554	0.80	0.05	421	106	315	37	11 611	2 815
OTHER	7 326			4 806	1 474	3 332		121 450	
TOTAL-KILLAM	9 804			6 627	2 744	3 883		141 649	
KILLAM NORTH 044-13W4									
UPPER & MID VIKING A		0.70	0.03				36		55 971
BASAL MANNVILLE C		0.70	0.03				36		202
BASAL MANNVILLE U	56	0.65	0.05	34			37		200
NISKU A		0.70	0.03				36		32
U&M V A,BMN C&U &NIS TOTAL	1 677	0.70	0.05	1 135	909	226	37	8 473	
UPPER MANNVILLE P	463	0.75	0.05	330	109	221	37	8 263	1 365
OTHER	4 850			3 209	1 009	2 200		81 486	
TOTAL-KILLAM NORTH	6 990			4 674	2 027	2 647		98 222	
KILSYTH 065-04W5									
TOTAL-KILSYTH	30			19		19		644	
KIMIWAN 079-20W5									
TOTAL-KIMIWAN	242			164	101	63		2 317	
KINGMAN 049-19W4									
TOTAL-KINGMAN	362			239	32	207		7 677	
KINMUNDY 025-09W4									
TOTAL-KINMUNDY	37			25		25		943	
KIRBY 074-05W4									
UPPER MANNVILLE A	3 508	0.60	0.05	2 000	149	1 851	37	68 506	26 779
UPPER MANNVILLE C	2 982	0.60	0.05	1 700	65	1 635	37	61 002	45 850
UPPER MANNVILLE D	2 298	0.60	0.05	1 310	446	864	37	32 098	15 718
UPPER MANNVILLE I	9 347	0.50	0.05	4 440	2 324	2 116	37	78 292	37 248
UPPER MANNVILLE J	608	0.70	0.05	405		405	37	14 969	7 013
OTHER	1 865			1 002	107	895		33 240	
TOTAL-KIRBY	20 608			10 857	3 091	7 766		288 107	
KIRKWALL 027-05W4									
VIKING A	806	0.70	0.05	536	515	21	37	769	5 255
VIKING B	869	0.65	0.05	537	433	104	37	3 821	3 459
OTHER	197			130	14	116		4 310	
TOTAL-KIRKWALL	1 872			1 203	962	241		8 900	
KISKIU (SA) 057-02W6									
TOTAL-KISKIU	197			133		133		5 050	
KITSIM 017-16W4									
MILK RIVER A	188	0.70	0.05	125			36		2 970
MEDICINE HAT A	397	0.70	0.03	270			36		6 095

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.56	0.276	0.50	2 870	16	0.940	0.57	426.8	1974	1988	LOC U TCPL
2.93	0.310	0.80	2 260	21	0.956	0.56	278.8	1965	1988	PANALTA
1.47	0.160	0.35	5 500	24	0.895	0.60	714.5	1917	1985	PANALTA TCPL PART OF VIK POOL NO.2 MATERIAL BALANCE CONCURRENT PRODUCTION
1.75	0.254	0.65	6 830	45	0.897	0.61	916.9	1957	1982	TCPL
1.15	0.160	0.35	5 500	24	0.895	0.60	714.5	1917	1985	PART OF VIK POOL NO.2 MATERIAL BALANCE
0.91	0.240	0.50	6 070	28	0.891	0.60	827.5	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
2.75	0.250	0.60	6 480	31	0.887	0.59	924.9	1978	1988	PART OF VIK POOL NO.2
3.30	0.200	0.65	5 240	28	0.905	0.60	832.2	1976	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1987	PANALTA TCPL A&S PART OF VIK POOL NO.2
4.44	0.228	0.55	5 790	28	0.898	0.57	822.8	1976	1986	TCPL
3.73	0.326	0.65	1 610	13	0.966	0.56	281.5	1977	1988	PANALTA PROGAS
2.15	0.310	0.65	1 490	18	0.970	0.55	312.7	1977	1988	PANALTA PROGAS
4.15	0.322	0.50	2 160	20	0.958	0.56	366.7	1977	1987	PANALTA PROGAS
5.91	0.308	0.65	2 110	22	0.959	0.56	410.4	1977	1987	PANALTA PROGAS
1.78	0.321	0.70	2 170	24	0.959	0.57	464.3	1978	1987	PANALTA PROGAS
1.19	0.300	0.60	6 570	31	0.893	0.57	796.6	1968	1987	TCPL PRODUCTION DECLINE
1.88	0.290	0.55	6 600	31	0.891	0.58	757.5	1972	1988	PANALTA TCPL PRODUCTION DECLINE
2.50	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.51	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
KITSIM 017-16W4 (CONTINUED)									
SE ALTA GAS SYS(MU) TOTAL	585	0.70	0.05	395		395	36	14 406	
OTHER	113			82	11	71		2 548	
TOTAL-KITSIM	698			477	11	466		16 954	
KITTY 085-12W5									
TOTAL-KITTY	34			23		23		847	
KIYA (SA) 096-24W5									
TOTAL-KIYA	16			10		10		375	
KLESKUN (SA) 072-02W6									
TOTAL-KLESKUN	27			19		19		697	
KNAPPEN 001-11W4									
LOWER MANNVILLE G	396	0.80	0.05	301		301	36	10 971	150
OTHER	469			319	127	192		7 107	
TOTAL-KNAPPEN	865			620	127	493		18 078	
KNELLER 049-23W4									
TOTAL-KNELLER	632			379	228	151		5 649	
KNOPCIK 074-11W6									
DOE CREEK A	742	0.75	0.10	501	168	333	40	13 353	3 284
PADDY C	725	0.80	0.10	522	38	484	40	19 466	1 250
JURASSIC B	849	0.60	0.10	458	81	377	41	15 608	1 921
OTHER	1 996			1 367	249	1 118		42 820	
TOTAL-KNOPCIK	4 312			2 848	536	2 312		91 247	
KOTCHO (SA) 112-11W6									
TOTAL-KOTCHO	3			2		2		72	
LA COREY 063-05W4									
TOTAL-LA COREY	329			189		189		7 043	
LA GLACE 074-08W6									
TOTAL-LA GLACE	118			85		85		3 262	
LAC LA BICHE 067-13W4									
TOTAL-LAC LA BICHE	305			193	154	39		1 450	
LACOMBE 040-26W4									
TOTAL-LACOMBE	452			314	177	137		5 197	
LAIT 001-10W4									
LOWER MANNVILLE A	362	0.90	0.05	310	204	106	37	3 938	1 025
OTHER	481			340	127	213		7 846	
TOTAL-LAIT	843			650	331	319		11 784	
LAMBERT 051-22W5									
D-3 A	2 451	0.85	0.40	1 250	464	786	38	29 475	320
TOTAL-LAMBERT	2 451			1 250	464	786		29 475	
LAMONT 053-19W4									
TOTAL-LAMONT	60			39	1	38		1 420	
LANAWAY 036-03W5									
MANNVILLE ASSOC	529	0.70	0.15	315		315	40	12 528	748
OTHER	2 070			1 239	99	1 140		45 335	
TOTAL-LANAWAY	2 599			1 554	99	1 455		57 863	
LANFINE 025-05W4									
TOTAL-LANFINE	41			29		29		1 073	
LARNE 116-03W6									
TOTAL-LARNE	647			470		470		17 204	
LATHOM 020-18W4									
BOW ISLAND A	600	0.85	0.05	485	249	236	36	8 562	200
OTHER	2 609			1 682	497	1 185		43 988	
TOTAL-LATHOM	3 209			2 167	746	1 421		52 550	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1904	1987	PROGAS TCPL
15.50	0.320	0.85	5 820	23	0.893	0.58	742.8	1981	1988	
2.57	0.187	0.65	6 210	39	0.866	0.66	889.6	1964	1986	LOC U CWNGNUL PANALTA PROGAS
4.28	0.159	0.65	11 900	52	0.794	0.69	1 429.0	1984	1988	ATCOR
2.56	0.121	0.80	18 150	81	0.818	0.74	2 064.8	1980	1988	PANALTA ATCOR
3.07	0.250	0.60	7 310	33	0.886	0.56	843.4	1969	1973	CMG
66.85	0.068	0.90	42 660	123	1.021	0.80	4 430.8	1979	1988	PANALTA PRODUCTION DECLINE
4.73	0.110	0.75	17 140	68	0.788	0.78	2 234.7	1979	1983	A&S
13.88	0.210	0.55	8 530	36	0.877	0.58	1 019.7	1972	1988	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	RAW GAS			MARKETABLE GAS					
	1	2	3	4	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
LATHROP (SA) 088-07W6									
TOTAL-LATHROP	70			43		43		1 643	
LATOR 063-02W6									
WABAMUN 29-062-03	980	0.75	0.35	478		478	39	18 546	200
OTHER	741			475	13	462		18 248	
TOTAL-LATOR	1 721			953	13	940		36 794	
LATORNELL 063-01W6									
TOTAL-LATORNELL	28			19		19		741	
LAWRENCE 041-12W5									
TOTAL-LAWRENCE	697			460		460		17 969	
LEAHURST 039-18W4									
TOTAL-LEAHURST	3 322			2 111	164	1 947		74 699	
LEAMAN 055-11W5									
LOWER MANNVILLE F	733	0.85	0.10	561	387	174	40	7 026	1 668
ROCK CREEK B	444	0.85	0.10	339		339	40	13 641	200
NORDEGG B	1 094	0.85	0.10	837		837	39	32 501	1 745
OTHER	2 081			1 415	378	1 037		41 437	
TOTAL-LEAMAN	4 352			3 152	765	2 387		94 605	
LECKIE 019-17W4									
MILK RIVER A	549	0.70	0.05	365			36		5 874
MEDICINE HAT A	233	0.70	0.03	158			36		4 539
MEDICINE HAT C	24	0.50	0.03	12			36		833
SE ALTA GAS SYS (MU) TOTAL	806	0.70	0.05	535	34	501	36	18 271	
OTHER	134			94	82	12		449	
TOTAL-LECKIE	940			629	116	513		18 720	
LEDDY 084-25W5									
TOTAL-LEDDY	78			49		49		1 844	
LEDUC-WOODBEND 050-26W4									
ELLERSLIE 051-26 ASSOC	989	0.85	0.15	715		715	40	28 285	1 975
BASAL QUARTZ 049-25	711	0.90	0.10	576		576	38	22 107	1 740
D-2 B SOLN	1 225	0.75	0.50	460	416	44	42	1 829	
D-2 A SOLN	3 761	0.62	0.40	1 399[b]			43		
D-2 A ASSOC	1 072	0.85	0.15	774[b]	2 011[b]	162	43	7 023	3 954
D-3 A SOLN	5 998	0.65	0.30	2 729[b]			40		
D-3 A ASSOC	11 540	0.89	0.15	8 730[b]	3 713[b]	7 746	40	311 234	6 753
OTHER	7 439			4 746	1 647	3 099		120 312	
TOTAL-LEDUC-WOODBEND	32 735			20 129	7 787	12 342		490 790	
LEECH (SA) 060-09W5									
TOTAL-LEECH	11			8		8		309	
LEEDALE 042-04W5									
GLAUCONITIC A	2 078	0.70	0.10	1 310	123	1 187	40	47 302	6 767
PEKISKO A	1 280	0.80	0.15	870	57	813	41	33 496	2 497
BANFF A	496	0.85	0.15	359	306	53	40	2 144	906
OTHER	1 881			1 287	113	1 174		46 630	
TOTAL-LEEDALE	5 735			3 826	599	3 227		129 572	
LEGAL 057-25W4									
TOTAL-LEGAL	150			96	74	22		819	
LEISMER 077-09W4									
CLEARWATER A	24 291	0.65	0.05	15 000	4 806	10 194	37	381 561	71 539
OTHER	963			512		512		19 028	
TOTAL-LEISMER	25 254			15 512	4 806	10 706		400 589	
LELAND 059-26W5									
TOTAL-LELAND	43			29		29		1 135	
LEMING 065-04W4									
TOTAL-LEMING	1 878			1 109	621	488		18 008	
LENNOX (SA) 045-02W5									
TOTAL-LENNOX	65			44		44		1 741	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
22.50	0.095	0.85	38 910	135	1.006	0.81	3 956.0	1978	1984	BER
2.31	0.150	0.70	15 550	44	0.770	0.67	1 792.1	1972	1985	TCPL
13.50	0.141	0.65	16 060	54	0.779	0.70	1 782.0	1987	1988	
7.14	0.121	0.60	12 070	62	0.847	0.65	1 638.2	1978	1984	PROGAS
3.70	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.19	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1988	PART OF MED HAT POOL NO.1
0.73	0.139	0.60	4 450	19	0.916	0.56	437.7	1973	1988	PART OF MED HAT POOL NO.3
								1911	1988	TCPL
3.81	0.180	0.70	10 000	55	0.831	0.71	1 316.7	1948	1984	PANALTA
2.23	0.200	0.70	10 340	49	0.826	0.69	1 353.3	1951	1973	
						0.78		1950	1985	LOC U
						0.79		1947	1988	LOC U GPP
12.56	0.020	0.80	12 290	66	0.764	0.79	1 539.2	1947	1988	LOC U GPP
						0.76		1947	1987	LOC U CWNGNUL CONCURRENT PRODUCTION
18.22	0.080	0.85	13 060	67	0.792	0.76	1 609.3	1947	1987	LOC U CWNGNUL CONCURRENT PRODUCTION
2.89	0.110	0.55	16 920	64	0.813	0.69	2 059.3	1970	1982	PROGAS TCPL
4.33	0.087	0.80	18 200	84	0.852	0.71	2 139.1	1970	1988	PROGAS TCPL
3.83	0.088	0.75	18 885	57	0.751	0.79	2 110.4	1979	1982	TCPL
4.56	0.284	0.70	1 980	9	0.956	0.55	269.4	1974	1988	TCPL PANALTA KANNGAZ MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
LEO 035-17W4									
BELLY RIVER A	515	0.80	0.10	371	69	302	38	11 479	4 460
UPPER MANNVILLE F SOLN	19	0.65	0.10	11[b]			39		
UPPER MANNVILLE F ASSOC	2 778	0.80	0.10	2 000[b]	1 067[b]	944	39	36 552	4 041
OTHER	807			500	94	406		15 325	
TOTAL-LEO	4 119			2 882	1 230	1 652		63 356	
LEOPARD 009-20W4									
TOTAL-LEOPARD	42			20	19	1		34	
LEPINE 064-03W5									
TOTAL-LEPINE	60			39		39		1 542	
LESSARD 124-17W5									
TOTAL-LESSARD	7			5		5		184	
LETHBRIDGE 008-21W4									
TOTAL-LETHBRIDGE	19			14		14		512	
LIEGE 093-21W4									
WABISKAW A	2 548	0.50	0.05	1 210			37		43 473
WABISKAW D	120	0.50	0.05	57			37		2 607
NISKU-U IRE-GROSMNT A	5 895	0.40	0.05	2 240			36		91 471
GROSMONT A	6 842	0.50	0.05	3 250			36		73 417
GROSMONT F	66	0.50	0.05	31			36		788
L MANN-DEVONIAN MU#1 TOTAL	15 471	0.45	0.05	6 788	1 922	4 866	37	177 609	
MCMURRAY A	950	0.50	0.05	451	3	448	37	16 433	20 302
MCMURRAY C	1 225	0.50	0.05	582	62	520	37	19 053	31 519
GROSMONT E	790	0.90	0.05	675	201	474	37	17 325	5 880
LEDUC A	2 982	0.60	0.05	1 700	795	905	37	33 141	19 106
OTHER	552			282	30	252		9 253	
TOTAL-LIEGE	21 970			10 478	3 013	7 465		272 814	
LIMESTONE 033-10W5									
RUNDLE C	1 208	0.85	0.15	873	329	544	39	21 096	583
RUNDLE D	600	0.85	0.15	434	215	219	39	8 460	530
RUNDLE G	527	0.80	0.10	380	29	351	39	13 524	200
RUNDLE A	9 687	0.80	0.20	6 200			39		2 000
RUNDLE B	1 829	0.80	0.20	1 170			39		2 172
RUNDLE A & B TOTAL	11 516	0.80	0.20	7 370	3 122	4 248	39	164 100	
RUNDLE E	2 143	0.70	0.20	1 200			39		688
RUNDLE F	362	0.70	0.20	202			39		716
RUNDLE E & F TOTAL	2 505	0.70	0.20	1 402	238	1 164	39	44 930	
WABAMUN A	3 921	0.85	0.25	2 500	816	1 684	38	64 548	1 648
WABAMUN B	2 521	0.50	0.40	757	134	623	38	23 599	1 168
WABAMUN D	623	0.85	0.05	504	28	476	38	17 860	200
WABAMUN E	883	0.85	0.05	713	65	648	37	24 164	200
NISKU A	205	0.75	0.35	100			37		200
LEDUC A	1 229	0.75	0.35	599			37		200
NISKU A & LEDUC A TOTAL	1 434	0.75	0.35	699	293	406	37	15 136	
NISKU B	675	0.75	0.35	329			37		200
LEDUC B	954	0.85	0.35	527			37		200
NISKU B & LEDUC B TOTAL	1 629	0.80	0.35	856	185	671	37	25 109	
OTHER	867			581	106	475		17 959	
TOTAL-LIMESTONE	28 234			17 069	5 560	11 509		440 485	
LINDBERGH 057-05W4									
VIKING A	1 004	0.50	0.05	477	15	462	37	16 942	36 120
OTHER	5 391			3 462	1 051	2 411		89 294	
TOTAL-LINDBERGH	6 395			3 939	1 066	2 873		106 236	
LINK 034-17W4									
TOTAL-LINK	931			601	263	338		12 723	
LITTLE BOW 015-19W4									
UPPER MANNVILLE A	560	0.90	0.10	454	438	16	38	604	300
GLAUCONITIC 13-015-20	793	0.75	0.10	536		536	37	19 698	600
OTHER	6 305			3 911	794	3 117		116 159	
TOTAL-LITTLE BOW	7 658			4 901	1 232	3 669		136 461	
LITTLE SMOKY 067-22W5									
TOTAL-LITTLE SMOKY	562			386		386		14 885	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.32	0.265	0.55	3 230	18	0.924	0.62	530.0	1973	1988	PANALTA SLPETRO TCPL
						0.66		1971	1988	PANALTA TCPL CONCURRENT PRODUCTION
5.12	0.216	0.70	8 030	35	0.835	0.66	1 123.4	1971	1988	PANALTA TCPL CONCURRENT PRODUCTION
3.91	0.332	0.50	900	16	0.981	0.57	214.3	1974	1987	
3.43	0.284	0.50	920	10	0.980	0.57	224.2	1979	1987	
14.45	0.201	0.25	920	27	0.983	0.58	264.7	1974	1987	
18.41	0.120	0.45	930	18	0.981	0.58	333.8	1963	1988	
7.79	0.150	0.80	900	16	0.981	0.58	236.5	1985	1985	
								1963	1988	KANNGAZ PANALTA PROGAS SOQUIP PARAMT
3.68	0.287	0.50	890	18	0.982	0.57	299.7	1980	1987	SIMCHEM
3.51	0.252	0.50	880	17	0.982	0.57	260.9	1980	1987	SIMCHEM
11.06	0.161	0.80	920	10	0.980	0.58	241.6	1981	1988	KANNGAZ PANALTA PARAMT
15.38	0.144	0.35	890	17	0.982	0.57	289.6	1980	1988	SIMCHEM PRODUCTION DECLINE
16.59	0.078	0.90	23 780	62	0.875	0.66	2 732.6	1974	1987	TCPL PRODUCTION DECLINE TOP/BASE TVD
15.43	0.063	0.82	26 050	80	0.915	0.67	3 587.3	1975	1988	TCPL MATERIAL BALANCE
30.78	0.060	0.80	26 440	149	0.999	0.62	3 836.2	1977	1979	CNG
32.85	0.077	0.88	24 460	83	0.898	0.68	3 019.3	1975	1986	TOP/BASE TVD
6.95	0.069	0.80	24 460	83	0.890	0.70	3 157.3	1975	1987	TOP/BASE TVD
								1975	1987	TCPL
30.17	0.062	0.76	24 660	83	0.899	0.68	3 232.1	1976	1986	TOP/BASE TVD
5.49	0.060	0.70	24 660	83	0.899	0.68	3 395.2	1976	1984	TOP/BASE TVD
								1976	1986	TCPL
24.13	0.051	0.85	31 160	125	0.979	0.72	3 692.4	1975	1988	TCPL TOP/BASE TVD
20.20	0.053	0.80	31 160	116	0.904	0.81	3 865.8	1976	1984	TCPL
28.47	0.057	0.80	30 440	93	0.985	0.58	3 554.5	1986	1988	TCPL TOP/BASE TVD
31.65	0.078	0.85	28 540	114	0.997	0.56	3 336.6	1987	1988	TOP/BASE TVD
8.64	0.060	0.80	28 980	96	0.902	0.78	3 509.8	1976	1978	TOP/BASE TVD
55.69	0.050	0.80	31 890	91	0.903	0.80	3 610.8	1976	1977	TOP/BASE TVD
								1976	1978	TCPL
20.15	0.075	0.80	31 710	88	0.895	0.81	3 842.8	1976	1988	TOP/BASE TVD
25.30	0.085	0.80	31 930	89	0.905	0.80	3 913.1	1976	1988	TOP/BASE TVD
								1976	1986	TCPL
0.79	0.240	0.50	2 760	20	0.947	0.57	386.3	1946	1985	MIP PANALTA
4.30	0.195	0.65	11 580	41	0.805	0.67	1 215.9	1965	1988	TCPL PRODUCTION DECLINE
5.93	0.236	0.70	12 000	38	0.813	0.66	1 189.7	1980	1986	PANALTA TCPL NONCOMMERCIAL OIL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
LITTLE SMOKY LAKE (SA) 075-22W5									
TOTAL-LITTLE SMOKY LAKE	79			55		55		2 060	
LIVOCK (SA) 085-23W4									
TOTAL-LIVOCK	2			1		1		37	
LLOYDMINSTER 050-01W4									
COLONY	610	0.60	0.05	348	225	123	35	4 326	4 600
SPARKY DD	510	0.70	0.05	339		339	35	11 702	2 724
OTHER	3 481			1 739	526	1 213		43 289	
TOTAL-LLOYDMINSTER	4 601			2 426	751	1 675		59 317	
LOCHEND 027-03W5									
CARDIUM A SOLN	1 232	0.65	0.20	641	108	533	41	21 800	
OTHER	122			76		76		3 153	
TOTAL-LOCHEND	1 354			717	108	609		24 953	
LOCHINVAR (SA) 041-26W4									
TOTAL-LOCHINVAR	149			97		97		3 604	
LOGAN 072-13W4									
TOTAL-LOGAN	91			56		56		2 069	
LOMOND 018-12W4									
TOTAL-LOMOND	107			61		61		2 331	
LONE 089-04W6									
TOTAL-LONE	87			58		58		2 174	
LONE PINE CREEK 030-28W4									
WABAMUN A	14 996	0.75	0.27	8 210	6 226	1 984	37	72 793	20 942
D-3 A SOLN	557	0.65	0.30	253[b]			35		
D-3 A ASSOC	3 074	0.50	0.33	1 030[b]	1 013[b]	270	35	9 499	1 835
OTHER	691			415		415		15 231	
TOTAL-LONE PINE CREEK	19 318			9 908	7 239	2 669		97 523	
LONG COULEE 016-21W4									
GLAUCONITIC I	1 853	0.85	0.20	1 260	941	319	38	12 049	3 249
GLAUCONITIC L	1 985	0.80	0.20	1 270	1 121	149	38	5 716	1 306
SUNBURST D	947	0.90	0.15	724	123	601	39	23 229	1 358
SUNBURST G	2 334	0.80	0.25	1 400	1 289	111	38	4 260	3 206
OTHER	3 678			2 141	420	1 721		65 348	
TOTAL-LONG COULEE	10 797			6 795	3 894	2 901		110 602	
LOOKOUT BUTTE 001-28W4									
RUNDLE A	13 818	0.55	0.25	5 700	5 485	215	40	8 690	2 858
TOTAL-LOOKOUT BUTTE	13 818			5 700	5 485	215		8 690	
LOSEMAN (SA) 067-02W4									
TOTAL-LOSEMAN	49			27		27		1 005	
LOST 084-26W5									
TOTAL-LOST	51			33		33		1 236	
LOUISE (SA) 064-15W5									
TOTAL-LOUISE	117			74		74		2 933	
LOUSANA 036-21W4									
TOTAL-LOUSANA	93			49		49		1 826	
LOVETT RIVER 046-18W5									
RUNDLE A	1 753	0.50	0.10	789		789	39	30 511	1 142
TURNER VALLEY 21-046-19	475	0.75	0.15	303		303	38	11 475	200
OTHER	140			100		100		3 934	
TOTAL-LOVETT RIVER	2 368			1 192		1 192		45 920	
LUCKY 061-18W4									
TOTAL-LUCKY	779			516	184	332		12 370	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.30	0.300	0.60	3 050	19	0.943	0.58	532.8	1943	1985	CWNGNUL MATERIAL BALANCE COMPOSITE COLONY RESERVE, SLUSH OIL
2.01	0.290	0.75	4 110	21	0.928	0.58	611.4	1966	1984	PANALTA
						0.75		1961	1986	TCPL
10.04	0.055	0.80	24 610	83	0.880	0.76	2 417.2	1955	1984	PANALTA PROGAS TCPL MATERIAL BALANCE
						0.77		1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
17.43	0.083	0.85	22 480	83	0.862	0.77	2 425.0	1963	1985	TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION OIL DEPLETED
2.61	0.191	0.80	12 570	43	0.791	0.77	1 411.9	1974	1987	TCPL PANALTA
1.66	0.183	0.80	10 520	41	0.807	0.76	1 462.4	1967	1987	TCPL PRODUCTION DECLINE
3.79	0.185	0.65	13 140	43	0.773	0.75	1 425.7	1982	1987	TCPL NONCOMMERCIAL OIL
4.22	0.142	0.60	13 270	44	0.758	0.83	1 446.0	1960	1986	PANALTA TCPL MATERIAL BALANCE
35.16	0.065	0.80	32 850	88	0.936	0.97	3 675.4	1959	1984	TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
13.72	0.051	0.85	33 770	95	1.011	0.59	3 568.4	1958	1984	PANALTA TOP/BASE TVD
16.20	0.070	0.85	33 100	109	1.001	0.65	3 928.3	1979	1984	TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
LUNNFORD 059-03W5									
TOTAL-LUNNFORD	356			233	5	228		8 796	
LYLE 073-18W4									
TOTAL-LYLE	114			65		65		2 403	
LYNDON (SA) 013-29W4									
TOTAL-LYNDON	106			72		72		2 772	
LYNX 062-09W6									
DUNVEGAN B	499	0.70	0.10	314	210	104	40	4 127	200
OTHER	521			367	68	299		11 386	
TOTAL-LYNX	1 020			681	278	403		15 513	
MAJEAU 056-04W5									
TOTAL-MAJEAU	2 229			1 516	419	1 097		43 183	
MAJORVILLE 018-19W4									
UPPER MANNVILLE F	736	0.85	0.10	563	54	509	38	19 454	300
GLAUCONITIC 20-019-19	478	0.75	0.05	341		341	38	12 948	128
OTHER	2 032			1 369	198	1 171		44 780	
TOTAL-MAJORVILLE	3 246			2 273	252	2 021		77 182	
MALMO 043-22W4									
ELLERSLIE C ASSOC	490	0.75	0.10	331	34	297	39	11 556	300
D-3 B	1 813	0.85	0.15	1 310	280	1 030	35	35 854	981
OTHER	1 721			796	114	682		26 441	
TOTAL-MALMO	4 024			2 437	428	2 009		73 851	
MANIR 072-04W6									
WABAMUN 25-072 ASSOC	793	0.80	0.20	507		507	40	20 209	400
OTHER	654			479		479		18 653	
TOTAL-MANIR	1 447			986		986		38 862	
MANITO 042-20W4									
TOTAL-MANITO	333			224	13	211		7 547	
MANNING (SA) 090-25W5									
TOTAL-MANNING	60			40		40		1 498	
MANNVILLE 051-08W4									
UPPER VIKING D	353	0.85	0.05	285			36		9 101
MIDDLE VIKING C	495	0.85	0.05	400			36		10 774
U VIK D & M VIK C TOTAL	848	0.85	0.05	685	230	455	36	16 526	
UPPER MANNVILLE C	796	0.70	0.05	529	471	58	37	2 165	2 523
UPPER MANNVILLE F	1 313	0.80	0.05	998	509	489	38	18 670	4 903
UPPER MANNVILLE H	754	0.80	0.05	573	480	93	38	3 551	5 501
OTHER	5 493			3 589	1 160	2 429		90 252	
TOTAL-MANNVILLE	9 204			6 374	2 850	3 524		131 164	
MANNVILLE SOUTH (SA) 049-08W4									
TOTAL-MANNVILLE SOUTH	33			21		21		778	
MANNY 076-21W4									
TOTAL-MANNY	56			32		32		1 187	
MANOLA 058-02W5									
TOTAL-MANOLA	443			294	99	195		7 451	
MANYBERRIES 005-05W4									
BOW ISLAND A	789	0.90	0.05	675	551	124	35	4 356	3 743
OTHER	2 573			1 638	505	1 133		40 825	
TOTAL-MANYBERRIES	3 362			2 313	1 056	1 257		45 181	
MANYBERRIES SOUTH (SA) 003-05W4									
TOTAL-MANYBERRIES SOUTH	88			67		67		2 468	
MARGIE 074-09W4									
TOTAL-MARGIE	86			43		43		1 596	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.40	0.070	0.70	27 010	86	0.922	0.64	3 084.1	1980	1988	PRODUCTION DECLINE
10.25	0.223	0.75	12 740	41	0.806	0.64	1 390.6	1981	1987	
14.00	0.243	0.85	11 930	44	0.828	0.63	1 358.0	1987	1988	
2.90	0.209	0.60	10 210	67	0.851	0.71	1 396.6	1983	1988	ATCOR TCPL MATERIAL BALANCE GAS PRODUCED BEFORE OIL DISCOVERED
15.24	0.093	0.85	15 080	61	0.837	0.74	1 620.1	1959	1987	TCPL
23.10	0.044	0.75	29 380	80	0.910	0.75	2 736.8	1983	1988	BER
0.75	0.218	0.50	4 480	21	0.914	0.58	537.8	1974	1984	
0.90	0.215	0.50	4 480	21	0.913	0.59	538.4	1972	1982	
								1972	1984	CWNGNUL PANALTA PROGAS TCPL
2.28	0.250	0.65	4 600	28	0.918	0.57	580.5	1970	1984	TCPL MATERIAL BALANCE
3.58	0.270	0.60	4 340	21	0.909	0.58	580.8	1971	1981	TCPL
1.76	0.270	0.60	4 460	19	0.904	0.58	539.5	1970	1981	CWNGNUL TCPL
2.67	0.290	0.70	5 930	27	0.902	0.59	792.7	1947	1985	CMG MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
MARIE 065-02W4									
TOTAL-MARIE	584			333	50	283		10 572	
MARION LAKE 037-18W4									
TOTAL-MARION LAKE	155			100		100		3 742	
MARKERVILLE 036-02W5									
PEKISKO A	2 764	0.80	0.10	1 990	208	1 782	39	68 625	3 207
OTHER	255			171	82	89		3 514	
TOTAL-MARKERVILLE	3 019			2 161	290	1 871		72 139	
MARLBORO 055-19W5									
LEDUC A	6 123	0.70	0.30	3 000	1 146	1 854	37	69 043	679
TOTAL-MARLBORO	6 123			3 000	1 146	1 854		69 043	
MARLOWE (SA) 122-22W5									
TOTAL-MARLOWE	15			10		10		354	
MARSH (SA) 054-25W5									
TOTAL-MARSH	251			192		192		7 423	
MARTEN 077-04W5									
TOTAL-MARTEN	248			162		162		6 042	
MARTEN HILLS 075-25W4									
WABISKAW C	622	0.80	0.05	473	84	389	37	14 412	3 089
WABISKAW A	23 553	0.80	0.05	17 900			37		89 432
WABAMUN A	9 069	0.65	0.05	5 600			37		32 374
WBSK A & WAB A TOTAL	32 622	0.75	0.05	23 500	15 804	7 696	37	285 676	
WABAMUN C	1 404	0.75	0.05	1 000	3	997	37	36 899	8 284
OTHER	1 931			1 129	91	1 038		38 484	
TOTAL-MARTEN HILLS	36 579			26 102	15 982	10 120		375 471	
MARWAYNE 053-03W4									
TOTAL-MARWAYNE	401			267		267		9 758	
MATZIWIN 023-14W4									
MILK RIVER A	2 827	0.70	0.05	1 880			36		18 414
MEDICINE HAT A	2 106	0.70	0.03	1 430			36		16 605
MEDICINE HAT C	68	0.50	0.03	33			36		2 328
MEDICINE HAT D	208	0.50	0.03	101			36		5 922
SECOND WHITE SPECKS A	84	0.75	0.05	60			36		1 278
SE ALTA GAS SYS(MU) TOTAL	5 293	0.70	0.05	3 504	1 059	2 445	36	89 169	
OTHER	1 124			740	257	483		18 395	
TOTAL-MATZIWIN	6 417			4 244	1 316	2 928		107 564	
MAY (SA) 075-11W4									
TOTAL-MAY	17			13		13		485	
MCADAM (SA) 082-14W4									
TOTAL-MCADAM	5			3		3		111	
MCGREGOR 017-20W4									
TOTAL-MCGREGOR	1 077			744	7	737		26 766	
MCGUFFIN (SA) 066-11W4									
TOTAL-MCGUFFIN	243			138		138		5 119	
MCKINLEY 065-22W5									
TOTAL-MCKINLEY	375			252	35	217		8 608	
MCLAUGHLIN 046-01W4									
TOTAL-MCLAUGHLIN	148			92	18	74		2 475	
MCLEOD 054-14W5									
CARDIUM A SOLN	13	0.60	0.10	7[b]			38		
CARDIUM A ASSOC	1 201	0.75	0.10	811[b]	564[b]	254	38	9 690	5 086
GETHING C	1 343	0.80	0.10	967	4	963	40	38 944	1 464
GETHING D	814	0.75	0.15	519	47	472	40	19 064	1 678
GETHING H	1 032	0.80	0.10	743			40		1 629
ROCK CREEK A	764	0.80	0.10	550			40		1 400
GETHING H & ROCK CK A TOTAL	1 796	0.80	0.10	1 293	99	1 194	40	47 688	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.22	0.067	0.75	18 560	68	0.832	0.70	2 272.2	1976	1981	TCPL A&S KANNGAZ PROGAS
59.46	0.068	0.90	34 520	130	0.987	0.73	3 688.0	1965	1987	A&S MATERIAL BALANCE
4.07	0.287	0.60	2 960	35	0.952	0.56	794.0	1971	1975	PANALTA TCPL
4.46	0.278	0.65	2 700	27	0.951	0.56	685.8	1961	1985	MATERIAL BALANCE
11.39	0.138	0.55	2 710	28	0.952	0.57	712.8	1961	1982	
								1961	1982	PANALTA TCPL
4.66	0.211	0.65	2 740	35	0.954	0.57	775.4	1966	1987	TCPL
6.05	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.94	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.74	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.89	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
0.85	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CNG PANALTA PROGAS TCPL
						0.68		1972	1988	A&S TCPL PANALTA CONCURRENT PRODUCTION
4.81	0.095	0.55	9 260	56	0.852	0.68	1 519.3	1972	1988	A&S TCPL PANALTA CONCURRENT PRODUCTION
5.36	0.147	0.65	16 710	62	0.792	0.71	2 067.9	1980	1985	TCPL
3.70	0.125	0.60	16 140	63	0.781	0.74	2 127.3	1982	1986	TCPL
3.41	0.166	0.70	15 950	70	0.827	0.68	1 958.5	1987	1988	
3.97	0.142	0.60	16 220	70	0.834	0.67	1 957.5	1963	1987	
								1963	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS	2	3	4 MARKETABLE GAS	5	6	7	8	9
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
MCLEOD 054-14W5 (CONTINUED)									
ELLERSLIE A	466	0.75	0.10	315	34	281	39	11 088	783
WINTERBURN 31-054-14	988	0.90	0.40	533		533	42	22 530	200
OTHER	1 056			701	7	694		27 472	
TOTAL-MCLEOD	7 677			5 146	755	4 391		176 476	
MCMILLAN 074-17W4									
TOTAL-MCMILLAN	766			460	359	101		3 755	
MCMULLEN 077-26W4									
WABISKAW A		0.65	0.05				37		1 239
WABAMUN A		0.65	0.05				37		200
WBSK A & WAB A TOTAL	514	0.65	0.05	317	254	63	37	2 341	
OTHER	134			74		74		2 755	
TOTAL-MCMULLEN	648			391	254	137		5 096	
MEADOW 062-25W4									
TOTAL-MEADOW	155			111	5	106		3 985	
MEANDER (SA) 115-21W5									
TOTAL-MEANDER	11			7		7		267	
MEANOOK 063-22W4									
TOTAL-MEANOOK	1 433			987	550	437		16 554	
MEDALLION 019-27W4									
TOTAL-MEDALLION	546			355		355		13 739	
MEDICINE HAT 013-03W4									
MILK RIVER A	46 016	0.70	0.05	30 600			36		369 798
MEDICINE HAT A	79 302	0.65	0.03	50 000			36		473 775
SECOND WHITE SPECKS P	6	0.80	0.05	5			36		128
SECOND WHITE SPECKS J	413	0.80	0.05	314			36		5 180
LOWER COLORADO SAND A	351	0.75	0.05	250			36		5 560
MEDICINE HAT C	5 360	0.50	0.03	2 600			36		152 622
MEDICINE HAT D	4 928	0.50	0.03	2 390			36		130 090
SECOND WHITE SPECKS A	7 299	0.75	0.05	5 200			36		65 547
SECOND WHITE SPECKS M	11	0.80	0.05	9			36		200
SECOND WHITE SPECKS C	12	0.70	0.05	8			36		200
SECOND WHITE SPECKS D	2 106	0.70	0.05	1 400			36		26 141
SECOND WHITE SPECKS K	5	0.75	0.05	4			36		200
SECOND WHITE SPECKS L	13	0.80	0.05	10			37		200
SE ALTA GAS SYS(MU) TOTAL	145 822	0.65	0.05	92 790	68 051	24 739	36	901 737	
SECOND WHITE SPECKS F	505	0.75	0.05	361		361	37	13 177	1 600
BOW ISLAND B	1 257	0.40	0.05	482	436	46	36	1 666	3 540
BOW ISLAND L	544	0.80	0.05	413	381	32	37	1 188	3 593
BOW ISLAND C	436	0.80	0.05	332	24	308	36	11 208	1 613
OTHER	5 494			3 813	1 243	2 570		92 542	
TOTAL-MEDICINE HAT	154 068			98 191	70 135	28 056		1 021 518	
MEDICINE LODGE 052-21W5									
VIKING A	786	0.90	0.10	636	93	543	40	21 535	1 856
WABAMUN 16-052-21	517	0.70	0.05	344		344	38	13 038	400
WABAMUN B 16-052-21	484	0.80	0.20	310		310	38	11 758	200
WABAMUN 33-051-21	675	0.85	0.20	459		459	38	17 410	200
OTHER	490			346		346		13 173	
TOTAL-MEDICINE LODGE	2 952			2 095	93	2 002		76 914	
MEDICINE RIVER 039-03W5									
GLAUCONITIC A SOLN	2 894	0.30	0.25	651[b]			41		
GLAUCONITIC A ASSOC	2 201	0.85	0.15	1 590[b]	673[b]	1 568	41	63 771	2 614
GLAUCONITIC D		0.75	0.10				40		150
OSTRACOD A ASSOC		0.75	0.15				40		1 268
OSTRACOD A SOLN	220	0.43	0.35	62[b]			40		
GLAUC D & OSTRACOD A TOTAL	776	0.65	0.20	421[b]	421[b]		40		
OSTRACOD C SOLN	89	0.60	0.45	29[b]			42		
OSTRACOD C ASSOC	2 533	0.85	0.15	1 830[b]	1 386[b]	473	42	19 634	2 735
BASAL QUARTZ D SOLN	29	0.65	0.40	11[b]			39		
BASAL QUARTZ D ASSOC	409	0.85	0.10	313[b]	41[b]	283	39	10 898	776

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.60	0.159	0.70	13 970	62	0.798	0.73	2 067.5	1982	1984	A&S PROGAS
27.76	0.080	0.80	26 480	80	0.767	0.90	2 652.7	1976	1977	BER
3.61	0.274	0.80	2 830	19	0.944	0.56	543.1	1968	1986	PRODUCTION DECLINE
5.86	0.165	0.60	2 630	19	0.948	0.56	547.9	1968	1986	PRODUCTION DECLINE
								1968	1986	TCPL
4.92	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
3.88	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.80	0.165	0.60	5 735	19	0.895	0.57	562.8	1978	1987	
1.42	0.150	0.60	5 790	21	0.898	0.57	591.1	1977	1985	
1.13	0.160	0.50	6 520	25	0.890	0.56	753.3	1977	1979	
0.89	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.96	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.44	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
1.10	0.150	0.60	5 330	19	0.902	0.57	562.4	1981	1983	
0.93	0.216	0.60	4 900	27	0.917	0.57	598.5	1972	1988	
1.58	0.180	0.55	4 900	23	0.914	0.58	649.0	1975	1988	
0.90	0.150	0.60	5 790	19	0.894	0.57	550.2	1977	1987	PRODUCTION DECLINE
1.21	0.160	0.55	5 700	20	0.894	0.56	619.6	1977	1981	
								1904	1988	CWNGNUL MIP CTYMEDH PANALTA TCPL A&S PROGAS
1.83	0.216	0.60	5 690	27	0.904	0.56	693.5	1976	1985	TCPL
1.75	0.286	0.60	6 520	24	0.887	0.57	796.1	1948	1983	MIP TCPL MATERIAL BALANCE
1.49	0.220	0.70	6 120	23	0.891	0.56	660.1	1977	1985	CWNGNUL
2.24	0.234	0.70	6 890	27	0.887	0.57	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
1.55	0.120	0.80	35 920	85	1.002	0.74	2 862.7	1975	1978	PANALTA PROGAS
7.32	0.090	0.75	36 900	107	1.055	0.57	3 723.9	1977	1982	PROGAS TCPL
12.95	0.100	0.75	36 300	127	1.035	0.66	3 777.4	1977	1982	PROGAS TCPL
19.83	0.090	0.75	36 900	127	1.040	0.66	3 920.9	1979	1982	PROGAS
						0.76		1965	1987	PANALTA TCPL A&S CONCURRENT PRODUCTION
3.35	0.130	0.75	26 150	66	0.851	0.76	2 203.0	1965	1987	PANALTA TCPL A&S CONCURRENT PRODUCTION
4.27	0.110	0.80	18 460	69	0.812	0.73	2 073.6	1961	1988	PRODUCTION DECLINE
1.74	0.139	0.65	18 510	63	0.835	0.68	2 074.2	1961	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.68		1961	1988	PRODUCTION DECLINE CONCURRENT PRODUCTION
								1961	1988	TCPL KANNGAZ CONCURRENT PRODUCTION
						0.72		1963	1988	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
3.24	0.130	0.75	20 550	71	0.816	0.72	2 282.2	1963	1988	PANALTA TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.71		1962	1977	TCPL KANNGAZ OIL POOL DEPLETED
3.28	0.139	0.70	15 620	60	0.807	0.71	2 094.6	1962	1977	TCPL KANNGAZ OIL POOL DEPLETED

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
MEDICINE RIVER 039-03W5 (CONTINUED)									
BASAL QUARTZ B ASSOC	54	0.70	0.10	34			38		138
BASAL QUARTZ B SOLN	1 385	0.52	0.45	396			38		
BASAL QUARTZ B ASSOC	819	0.80	0.10	590			38		681
BASAL QUARTZ B ASSOC	13	0.70	0.10	8			38		32
BASAL QUARTZ B TOTAL	2 271	0.65	0.30	1 028	189	839	38	32 243	
JURASSIC A ASSOC	176	0.70	0.15	105			41		372
JURASSIC A SOLN	1 000	0.38	0.50	190			41		
JURASSIC A ASSOC	32	0.70	0.15	19			41		32
JURASSIC A TOTAL	1 208	0.45	0.40	314	134	180	41	7 296	
JURASSIC D ASSOC	351	0.90	0.15	269			41		318
JURASSIC D SOLN	1 200	0.40	0.30	336			41		
JURASSIC D ASSOC	17	0.90	0.15	13			41		16
JURASSIC D ASSOC	55	0.90	0.15	43			41		32
JURASSIC D TOTAL	1 623	0.55	0.25	661	165	496	41	20 103	
JURASSIC M	594	0.75	0.10	401	179	222	38	8 500	200
JURASSIC P	1 024	0.80	0.10	737	13	724	39	28 012	128
PEKISKO N ASSOC	1 889	0.80	0.10	1 360		1 360	39	53 421	1 521
PEKISKO P	568	0.85	0.11	430	417	13	38	492	1 301
PEKISKO T	905	0.85	0.15	654	89	565	42	23 911	395
OTHER	10 533			5 691	1 330	4 361		172 903	
TOTAL-MEDICINE RIVER	29 546			16 121	5 037	11 084		441 184	
MEDLEY (SA) 068-02W4									
TOTAL-MEDLEY	52			25		25		917	
MEEKWAP 066-15W5									
D-2 A SOLN	1 446	0.45	0.45	358	147	211	41	8 613	
TOTAL-MEEKWAP	1 446			358	147	211		8 613	
MEGA 101-07W6									
TOTAL-MEGA	58			35		35		1 318	
MEIKLE (SA) 099-17W5									
TOTAL-MEIKLE	44			25		25		928	
MELLOWDALE 060-03W5									
TOTAL-MELLOWDALE	180			122	34	88		3 424	
MEYER 070-25W4									
TOTAL-MEYER	1 001			619	184	435		16 363	
MICHICHI 030-18W4									
UPPER MANNVILLE B	136	0.75	0.10	92			38		888
LOWER MANNVILLE E	391	0.85	0.10	299			38		911
U MANN B & L MANN E TOTAL	527	0.80	0.10	391	79	312	38	11 893	
LOWER MANNVILLE B SOLN	17	0.65	0.10	10[b]			39		
LOWER MANNVILLE B ASSOC	818	0.80	0.10	589[b]	74[b]	525	39	20 727	1 967
OTHER	2 846			1 787	544	1 243		47 384	
TOTAL-MICHICHI	4 208			2 777	697	2 080		80 004	
MIKWAN 036-23W4									
VIKING B	1 510	0.65	0.10	884	615	269	39	10 381	8 256
OTHER	5 333			3 472	787	2 685		102 359	
TOTAL-MIKWAN	6 843			4 356	1 402	2 954		112 740	
MILLIGAN (SA) 097-13W6									
TOTAL-MILLIGAN	173			112		112		4 122	
MILLS 069-11W4									
TOTAL-MILLS	346			172	118	54		1 996	
MILO 019-23W4									
TOTAL-MILO	337			228	28	200		7 096	
MINEHEAD 049-19W5									
CARDIUM C	3 519	0.70	0.20	1 970	122	1 848	40	74 678	2 694
CARDIUM D	443	0.90	0.10	359	9	350	40	14 112	400
BEAVERHILL LAKE049-19	7 143	0.50	0.30	2 500		2 500	37	91 800	3 951
OTHER	351			207	3	204		8 119	
TOTAL-MINEHEAD	11 456			5 036	134	4 902		188 709	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.30	0.146	0.70	16 130	65	0.821	0.70	2 162.7	1959	1988	
						0.70		1959	1988	
7.08	0.146	0.70	16 130	64	0.819	0.70	2 107.8	1959	1988	
2.44	0.146	0.70	16 130	65	0.821	0.70	2 142.6	1959	1986	ASSIGNED WELL 16-20-39-3 W5
								1959	1988	TCPL
2.71	0.151	0.70	16 000	63	0.822	0.68	2 131.2	1956	1988	
						0.68		1956	1988	
5.49	0.157	0.70	16 000	63	0.822	0.68	2 120.2	1956	1984	
								1956	1988	A&S TCPL
6.55	0.145	0.70	16 130	63	0.822	0.68	2 125.7	1962	1987	
						0.68		1962	1987	
6.19	0.145	0.70	16 130	63	0.822	0.68	2 118.4	1962	1986	
10.19	0.145	0.70	16 130	63	0.822	0.68	2 118.4	1962	1986	
								1962	1987	TCPL KANNGAZ
13.60	0.170	0.80	15 630	63	0.824	0.69	2 161.0	1981	1981	
36.70	0.150	0.85	16 390	62	0.814	0.70	2 146.0	1985	1988	
9.41	0.110	0.75	15 980	71	0.826	0.71	2 133.9	1963	1982	PANALTA TCPL KANNGAZ
10.85	0.098	0.75	16 380	59	0.816	0.70	2 119.0	1963	1980	TCPL PRODUCTION DECLINE
17.07	0.099	0.80	15 030	59	0.760	0.73	2 156.4	1982	1988	A&S
						0.75		1966	1988	A&S
1.62	0.172	0.50	9 710	38	0.810	0.68	1 311.7	1968	1985	
4.63	0.142	0.60	9 810	41	0.816	0.68	1 322.6	1975	1985	
								1968	1986	TCPL
						0.66		1980	1988	TCPL CONCURRENT PRODUCTION
4.86	0.154	0.55	9 490	48	0.832	0.66	1 313.3	1980	1988	TCPL CONCURRENT PRODUCTION
2.24	0.132	0.55	7 110	49	0.875	0.66	1 389.6	1968	1987	CNG TCPL MATERIAL BALANCE
5.18	0.139	0.80	23 670	73	0.858	0.69	2 415.2	1966	1988	TCPL DEEP CUT SL
4.25	0.136	0.85	23 270	72	0.851	0.70	2 367.8	1968	1988	
12.00	0.062	0.90	42 920	146	1.079	0.73	4 387.6	1973	1982	TCPL PANALTA BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
MINNEHIK-BUCK LAKE 046-06W5									
PEKISKO A	28 105	0.85	0.10	21 500	16 067	5 433	40	218 950	27 878
BANFF 27-045-04	397	0.90	0.10	321		321	39	12 606	200
OTHER	2 723			1 635	306	1 329		52 916	
TOTAL-MINNEHIK-BUCK LAKE	31 225			23 456	16 373	7 083		284 472	
MINNOW 057-05W6									
TOTAL-MINNOW	98			67		67		2 494	
MIRAGE 079-07W6									
TOTAL-MIRAGE	284			195	10	185		7 067	
MISTAHAE 079-01W5									
TOTAL-MISTAHAE	151			93		93		3 457	
MISTY 033-05W4									
TOTAL-MISTY	338			233		233		8 615	
MITCHELL (SA) 049-20W5									
TOTAL-MITCHELL	254			181		181		6 092	
MITSUE 071-04W5									
VIKING B	504	0.70	0.05	335	103	232	38	8 737	200
WABISKAW D	627	0.60	0.05	357	160	197	37	7 334	2 327
GILWOOD A ASSOC	67	0.75	0.10	45[b]			35		327
GILWOOD A SOLN	12 535	0.52	0.25	4 889[b]			35		
GILWOOD A ASSOC	117	0.75	0.10	79[b]			36		200
GILWOOD A ASSOC	66	0.80	0.25	40[b]			39		200
GILWOOD A ASSOC	59	0.80	0.20	38[b]			41		200
GILWOOD A ASSOC	172	0.80	0.20	110[b]			38		200
GILWOOD A ASSOC	47	0.75	0.10	32[b]			33		200
GILWOOD A	26	0.70	0.10	16[b]			35		200
GILWOOD A TOTAL	13 089	0.55	0.25	5 249[b]	3 544[b]	1 705	36	60 715	
OTHER	1 340			862	230	632		23 399	
TOTAL-MITSUE	15 560			6 803	4 037	2 766		100 185	
MOBERLY (SA) 058-04W6									
TOTAL-MOBERLY	478			347		347		13 383	
MONITOR 034-04W4									
UPPER MANNVILLE A	1 115	0.80	0.10	803			37		4 659
UPPER MANNVILLE C	29	0.75	0.10	20			36		150
UPPER MANNVILLE A & C TOTAL	1 144	0.80	0.10	823	150	673	37	24 686	
OTHER	376			251	71	180		6 484	
TOTAL-MONITOR	1 520			1 074	221	853		31 170	
MONTAG (SA) 084-06W6									
TOTAL-MONTAG	19			13		13		492	
MONTGOMERY 012-28W4									
TOTAL-MONTGOMERY	58			39		39		1 514	
MOON CREEK (SA) 059-05W6									
TOTAL-MOON CREEK	252			201		201		6 916	
MOONEY 072-07W5									
TOTAL-MOONEY	161			106		106		3 389	
MOONSHINE 058-01W4									
TOTAL-MOONSHINE	1 497			890	207	683		24 873	
MOORE 067-04W4									
TOTAL-MOORE	931			513	4	509		18 890	
MOOSE 023-06W5									
RUNDLE A	4 888	0.60	0.25	2 200	182	2 018	40	80 397	2 657
RUNDLE B	946	0.60	0.20	454	192	262	40	10 430	200
WABAMUN 05-023-06	841	0.85	0.40	429		429	39	16 645	440
OTHER	1 381			229		229		8 101	
TOTAL-MOOSE	8 056			3 312	374	2 938		115 573	
MORGAN 051-04W4									
TOTAL-MORGAN	586			383	5	378		13 954	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
7.82	0.092	0.75	17 090	85	0.850	0.72	2 110.6	1952	1987	A&S MATERIAL BALANCE
15.00	0.090	0.70	19 250	55	0.795	0.71	2 070.0	1981	1983	
7.80	0.300	0.85	2 980	23	0.944	0.55	438.8	1986	1988	PRODUCTION DECLINE
1.82	0.246	0.70	3 590	29	0.937	0.56	632.0	1977	1988	ATCOR MATERIAL BALANCE
1.37	0.130	0.75	15 860	69	0.855	0.71	1 659.3	1964	1986	CONCURRENT PRODUCTION
						0.71		1964	1986	CONCURRENT PRODUCTION
4.10	0.170	0.55	14 180	51	0.817	0.71	1 662.9	1964	1983	ASSIGNED WELL 10-23-069-03 W5M
1.85	0.130	0.65	17 370	60	0.702	0.92	1 665.1	1964	1983	ASSIGNED WELL 02-13-069-03 W5M
2.30	0.080	0.75	17 390	52	0.707	0.83	1 676.3	1964	1983	ASSIGNED WELL 02-36-068-03 W5M
4.20	0.150	0.65	17 930	60	0.730	0.88	1 677.6	1964	1983	ASSIGNED WELL 06-31-068-02 W5M
1.20	0.170	0.65	17 310	51	0.856	0.70	1 680.8	1964	1984	
1.20	0.120	0.70	12 080	45	0.824	0.70	1 670.3	1964	1988	ASSIGNED WELL 10-27-69-3 W5M
								1964	1986	TCPL CONCURRENT PRODUCTION
1.53	0.299	0.70	6 830	27	0.866	0.63	800.2	1974	1985	
1.85	0.280	0.50	6 780	27	0.866	0.64	811.4	1977	1988	
								1974	1985	TCPL
24.98	0.060	0.75	12 980	42	0.716	0.80	2 204.8	1960	1984	PROGAS TCPL
60.00	0.065	0.75	15 500	68	0.799	0.75	2 585.2	1978	1984	PROGAS TCPL TOP/BASE TVD
29.03	0.053	0.85	14 940	89	0.803	0.82	2 555.1	1977	1983	PROGAS TCPL TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
MORINVILLE 055-25W4									
LOWER MANNVILLE A SOLN	8	0.60	0.05	5[b]			38		
LOWER MANNVILLE A ASSOC	808	0.80	0.10	581[b]	571[b]	15	38	568	2 462
LOWER MANNVILLE E	482	0.85	0.05	390	362	28	38	1 064	1 573
OTHER	3 214			2 088	888	1 200		45 711	
TOTAL-MORINVILLE	4 512			3 064	1 821	1 243		47 343	
MORKILL (SA) 054-10W5									
TOTAL-MORKILL	19			10		10		377	
MORLEY 026-07W5									
TOTAL-MORLEY	316			174	174				
MORNINGSIDE 042-28W4									
TOTAL-MORNINGSIDE	1 278			827	80	747		29 243	
MORSE (SA) 064-09W5									
TOTAL-MORSE	285			192		192		7 254	
MOSES (SA) 097-12W5									
TOTAL-MOSES	4			2		2		75	
MOSSLEIGH 021-24W4									
TOTAL-MOSSLEIGH	213			146	22	124		4 790	
MOUNTAIN 047-22W5									
TRIASSIC A	467	0.75	0.10	315	202	113	39	4 397	200
TRIASSIC C	804	0.75	0.10	543	282	261	39	10 156	440
TURNER VALLEY A	480	0.75	0.10	324	68	256	38	9 828	440
OTHER	1 201			848	219	629		24 427	
TOTAL-MOUNTAIN	2 952			2 030	771	1 259		48 808	
MULLIGAN 081-08W6									
CADOMIN A	386	0.85	0.05	312	8	304	37	11 291	150
OTHER	905			599	22	577		21 699	
TOTAL-MULLIGAN	1 291			911	30	881		32 990	
MURIEL LAKE 059-04W4									
MANNVILLE A	396	0.65	0.05	244			37		2 126
MANNVILLE A	190	0.70	0.05	126			37		1 794
MANNVILLE A TOTAL	586	0.65	0.05	370	230	140	37	5 176	
OTHER	89			54	1	53		1 973	
TOTAL-MURIEL LAKE	675			424	231	193		7 149	
MUSIDORA 052-10W4									
TOTAL-MUSIDORA	741			530	164	366		13 541	
MUSKIKI (SA) 044-19W5									
TOTAL-MUSKIKI	148			63		63		2 386	
MUSKWA (SA) 085-25W4									
TOTAL-MUSKWA	16			10		10		369	
MUSREAU 062-06W6									
TOTAL-MUSREAU	592			417	111	306		12 129	
MYSTERY 060-07W5									
TOTAL-MYSTERY	41			28		28		1 051	
NAMAKA 022-24W4									
TOTAL-NAMAKA	277			178		178		6 762	
NAMEPI CREEK (SA) 058-21W4									
TOTAL-NAMEPI CREEK	164			108		108		4 025	
NARRAWAY 064-12W6									
BELLOY 1 03-063-11	462	0.80	0.05	352		352	37	13 108	440
OTHER	73			55		55		2 097	
TOTAL-NARRAWAY	535			407		407		15 205	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.67		1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.91	0.220	0.70	7 940	46	0.865	0.67	1 101.2	1952	1986	NORCEN PRODUCTION DECLINE CONCURRENT PRODUCTION
4.27	0.181	0.70	8 000	46	0.874	0.64	1 082.0	1951	1982	NORCEN PRODUCTION DECLINE
6.35	0.078	0.80	28 270	96	0.954	0.64	3 253.4	1977	1988	PANALTA PRODUCTION DECLINE
8.40	0.070	0.75	29 220	96	0.961	0.64	3 225.0	1980	1988	PANALTA PRODUCTION DECLINE TOP/BASE TVD
17.50	0.030	0.90	29 460	99	0.975	0.63	3 342.5	1980	1984	PANALTA
24.80	0.150	0.65	10 520	49	0.874	0.58	1 140.5	1985	1986	
1.71	0.300	0.55	2 860	16	0.942	0.57	389.8	1952	1980	MATERIAL BALANCE
1.87	0.250	0.70	3 100	17	0.938	0.56	408.4	1952	1977	
								1952	1980	
9.87	0.075	0.75	31 030	171	1.050	0.56	4 349.4	1977	1978	PROGAS BER

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
NAYLOR (SA) 097-24W5									
TOTAL-NAYLOR	31			20		20		763	
NEERLANDIA 061-05W5									
ELLERSLIE D	485	0.75	0.05	346	16	330	37	12 368	1 179
OTHER	492			327	71	256		9 790	
TOTAL-NEERLANDIA	977			673	87	586		22 158	
NEGUS (SA) 060-26W5									
TOTAL-NEGUS	79			57		57		2 271	
NELSON 044-25W4									
TOTAL-NELSON	707			447	1	446		17 046	
NESTOW 060-24W4									
TOTAL-NESTOW	1 626			1 085	560	525		19 381	
NETOOK 063-10W6									
TOTAL-NETOOK	991			679		679		26 171	
NEVIS 039-22W4									
EDMONTON D	720	0.50	0.05	342	87	255	37	9 376	13 090
BELLY RIVER C	1 502	0.65	0.05	929	275	654	37	24 191	9 000
BLAIRMORE A	1 925	0.75	0.10	1 300	22	1 278	39	49 548	4 118
DEVONIAN ASSOC		0.55	0.15				37		6 285
DEVONIAN ASSOC		0.55	0.15				35		13 222
DEVONIAN TOTAL	36 578	0.55	0.15	17 100	17 086	14	36	505	
OTHER	3 017			1 862	132	1 730		65 134	
TOTAL-NEVIS	43 742			21 533	17 602	3 931		148 754	
NEW NORWAY 044-22W4									
TOTAL-NEW NORWAY	636			306	89	217		8 140	
NEWAND 065-04W6									
BLUESKY A	1 250	0.75	0.15	797	92	705	41	28 553	3 730
OTHER	226			155	86	69		2 771	
TOTAL-NEWAND	1 476			952	178	774		31 324	
NEWBROOK 062-20W4									
TOTAL-NEWBROOK	2 098			1 277	434	843		31 790	
NEWBY 081-05W4									
MCMURRAY A	1 098	0.50	0.05	522	89	433	37	16 134	4 446
OTHER	2 385			1 172	4	1 168		42 989	
TOTAL-NEWBY	3 483			1 694	93	1 601		59 123	
NEWELL 017-14W4									
MILK RIVER A	1 438	0.70	0.05	957			36		10 956
MEDICINE HAT A	104	0.70	0.03	71			36		3 303
MEDICINE HAT C	112	0.50	0.03	54			36		2 447
MEDICINE HAT D	38	0.50	0.03	18			36		1 377
SE ALTA GAS SYS (MU) TOTAL	1 692	0.70	0.05	1 100	426	674	36	24 581	
OTHER	134			91	25	66		2 437	
TOTAL-NEWELL	1 826			1 191	451	740		27 018	
NEWTON 058-03W5									
TOTAL-NEWTON	260			176		176		5 871	
NINA (SA) 092-20W5									
TOTAL-NINA	8			5		5		182	
NIOBE 035-27W4									
TOTAL-NIOBE	57			27		27		916	
NIPIN 074-21W4									
TOTAL-NIPIN	2			1		1		37	
NIPISI 079-08W5									
GILWOOD A SOLN	7 534	0.54	0.40	2 441	1 771	670	39	26 036	
OTHER	363			168	-439	607		22 971	
TOTAL-NIPISI	7 897			2 609	1 332	1 277		49 007	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.36	0.200	0.65	8 550	35	0.839	0.66	1 105.3	1982	1988	
6.35	0.273	0.50	630	13	0.987	0.56	314.2	1979	1986	PANALTA TCPL PART OF EDMONTON POOL NO.1
5.88	0.245	0.45	2 020	22	0.962	0.56	490.8	1977	1988	PANALTA TCPL PART OF BR POOL NO.1
2.70	0.199	0.70	11 160	43	0.808	0.66	1 377.6	1952	1988	TCPL PROGAS NONCOMMERCIAL OIL
17.95	0.062	0.85	16 150	56	0.799	0.76	1 686.7	1952	1987	PRODUCTION DECLINE OIL POOL DEPLETED
15.01	0.076	0.85	16 170	61	0.834	0.74	1 675.8	1952	1987	PRODUCTION DECLINE OIL POOL DEPLETED
								1952	1987	TCPL PANALTA OIL POOL DEPLETED
2.89	0.096	0.65	20 240	94	0.844	0.77	2 356.4	1978	1987	PANALTA
7.33	0.284	0.70	1 650	14	0.965	0.56	207.5	1975	1987	TCPL
5.19	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
0.73	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
1.16	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.3
0.70	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
								1904	1988	PANALTA TCPL
						0.84		1965	1988	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
NISKU (SA) 050-25W4									
TOTAL-NISKU	118			75		75		2 925	
NITON 054-13W5									
BASAL QUARTZ A ASSOC	1 317	0.75	0.10	889	357	532	41	21 546	3 284
ROCK CREEK A	551	0.80	0.10	397			40		1 172
BSL QTZ I & ROCK CK A TOTAL	551	0.80	0.10	397	223	174	40	6 953	
ROCK CREEK F SOLN	791	0.39	0.30	216[b]			40		
ROCK CREEK F ASSOC	10 075	0.75	0.10	6 800[b]	2 341[b]	4 675	40	188 122	15 770
OTHER	2 094			1 385	341	1 044		41 273	
TOTAL-NITON	14 828			9 687	3 262	6 425		257 894	
NIXON 072-16W4									
LOWER MANNVILLE E	977	0.70	0.05	650	195	455	37	16 903	21 247
GROSMONT A	3 200	0.50	0.05	1 520	1 400	120	37	4 429	33 856
OTHER	395			213	57	156		5 776	
TOTAL-NIXON	4 572			2 383	1 652	731		27 108	
NORDEGG 041-17W5									
TRIASSIC A	448	0.85	0.05	362			37		1 192
RUNDLE A	389	0.55	0.05	203			38		746
TRIASSIC A & RUNDLE A TOTAL	837	0.70	0.05	565	328	237	38	8 897	
TOTAL-NORDEGG	837			565	328	237		8 897	
NORMANDVILLE 080-22W5									
MISSISSIPPIAN A	613	0.90	0.10	497	368	129	38	4 884	732
OTHER	1 698			1 180	137	1 043		39 284	
TOTAL-NORMANDVILLE	2 311			1 677	505	1 172		44 168	
NORRIS 053-18W4									
MIDDLE VIKING A	532	0.80	0.05	405	46	359	37	13 272	8 668
LOWER VIKING A	634	0.80	0.10	456		456	38	17 314	7 037
OTHER	3 308			2 083	584	1 499		56 074	
TOTAL-NORRIS	4 474			2 944	630	2 314		86 660	
NORTH VALLEY (SA) 022-04W5									
TOTAL-NORTH VALLEY	1 005			648		648		25 368	
NORTHVILLE 052-10W5									
JURASSIC D	605	0.85	0.10	463	22	441	40	17 609	1 605
OTHER	602			415	41	374		14 458	
TOTAL-NORTHVILLE	1 207			878	63	815		32 067	
NOSEHILL 055-20W5									
WINTERBURN A	459	0.75	0.05	327		327	37	12 197	256
D-3 A	939	0.70	0.05	624	45	579	38	21 944	64
TOTAL-NOSEHILL	1 398			951	45	906		34 141	
O'CHIESE (SA) 045-10W5									
TOTAL-O'CHIESE	155			99		99		4 051	
OAK 083-06W6									
TOTAL-OAK	179			121		121		4 032	
OBED 054-23W5									
D-2 A	3 342	0.75	0.35	1 630	2	1 628	37	60 985	1 512
LEDUC 36-054-23	3 636	0.50	0.45	1 000		1 000	37	37 340	706
OTHER	665			456		456		17 333	
TOTAL-OBED	7 643			3 086	2	3 084		115 658	
OBERLIN 038-21W4									
MANNVILLE	801	0.70	0.10	505	450	55	39	2 144	789
OTHER	172			110		110		4 311	
TOTAL-OBERLIN	973			615	450	165		6 455	
OCHRE (SA) 090-16W5									
TOTAL-OCHRE	138			98		98		3 677	
OGSTON 089-10W5									
TOTAL-OGSTON	100			57		57		2 134	
OKOTOKS 021-28W4									
WABAMUN B	18 262	0.55	0.55	4 520			37		13 473

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.53	0.138	0.70	16 060	71	0.809	0.72	1 937.7	1965	1988	TCPL KANNGAZ CONCURRENT PRODUCTION
4.97	0.115	0.65	15 910	76	0.841	0.68	1 872.6	1981	1987	PRODUCTION DECLINE
								1981	1987	
						0.74		1965	1988	TCPL KANNGAZ CONCURRENT PRODUCTION
4.66	0.142	0.60	16 200	77	0.818	0.74	1 929.4	1965	1988	TCPL KANNGAZ CONCURRENT PRODUCTION
2.10	0.240	0.40	2 280	24	0.957	0.56	445.6	1969	1986	CWNGNUL TCPL
9.76	0.100	0.50	2 340	27	0.958	0.57	460.0	1969	1986	CWNGNUL TCPL PRODUCTION DECLINE
5.84	0.058	0.85	12 620	46	0.861	0.57	1 489.6	1960	1982	
10.42	0.045	0.85	12 690	53	0.847	0.62	1 492.9	1960	1984	
								1960	1984	PROGAS TCPL
3.94	0.271	0.65	10 820	38	0.820	0.64	1 047.3	1956	1973	CWNGNUL
0.77	0.252	0.60	4 950	24	0.899	0.61	677.1	1977	1983	TCPL
1.13	0.273	0.55	4 960	25	0.892	0.63	715.1	1972	1983	TCPL
2.82	0.099	0.80	17 160	76	0.828	0.71	1 976.4	1981	1986	
13.26	0.050	0.85	54 030	121	1.226	0.58	3 788.7	1972	1975	
93.40	0.050	0.85	63 980	94	1.342	0.58	4 020.9	1972	1979	
16.57	0.066	0.75	38 470	135	0.995	0.77	4 023.3	1964	1988	TCPL
27.13	0.080	0.85	38 610	135	0.964	0.82	4 079.5	1966	1988	TCPL
2.26	0.260	0.75	10 070	54	0.829	0.69	1 321.9	1949	1986	A&S PWGE PRODUCTION DECLINE
11.89	0.051	0.80	24 800	80	0.727	0.91	2 656.7	1951	1988	PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
OKOTOKS 021-28W4 (CONTINUED)									
WABAMUN B	7 400	0.40	0.50	1 480			37		7 610
WABAMUN B TOTAL	25 662	0.50	0.55	6 000	3 686	2 314	37	85 572	
OTHER	1 032			589	75	514		19 675	
TOTAL-OKOTOKS	26 694			6 589	3 761	2 828		105 247	
OLDMAN 055-21W5									
TRIASSIC 056-21	2 084	0.80	0.10	1 500		1 500	39	57 765	2 485
OTHER	897			591		591		24 341	
TOTAL-OLDMAN	2 981			2 091		2 091		82 106	
OLSON (SA) 056-01W6									
TOTAL-OLSON	69			49		49		1 789	
OMEGA 046-01W4									
TOTAL-OMEGA	193			138		138		4 658	
OPABIN 044-18W5									
TOTAL-OPABIN	328			236		236		9 114	
OPEN CREEK 042-05W5									
TOTAL-OPEN CREEK	1 465			985	226	759		30 520	
ORCHID 088-20W4									
TOTAL-ORCHID	15			8		8		294	
ORION 007-07W4									
TOTAL-ORION	439			315	67	248		8 965	
OSBORN 089-07W6									
TOTAL-OSBORN	203			130		130		4 960	
OWLSEYE 058-10W4									
TOTAL-OWLSEYE	679			390	34	356		13 335	
OXLEY (SA) 013-28W4									
TOTAL-OXLEY	185			136		136		5 415	
OYEN 029-05W4									
VIKING C	448	0.80	0.05	340	299	41	37	1 499	200
VIKING A	732	0.60	0.05	417			37		4 440
DETRITAL C	342	0.50	0.05	162			37		757
VIKING A & DETRITAL C TOTAL	1 074	0.55	0.05	579	491	88	37	3 249	
OTHER	1 089			683	407	276		10 186	
TOTAL-OYEN	2 611			1 602	1 197	405		14 934	
PADDLE RIVER 057-08W5									
JURASSIC-DETR-RUND	12 824	0.70	0.12	7 900	6 572	1 328	40	53 386	18 434
RUNDLE ASSOC	1 152	0.85	0.10	881	11	870	40	34 844	4 408
OTHER	1 433			934	16	918		36 866	
TOTAL-PADDLE RIVER	15 409			9 715	6 599	3 116		125 096	
PAGEANT 018-21W4									
GLAUCONITIC A	398	0.85	0.10	304	1	303	37	11 238	150
OTHER	440			283		283		10 552	
TOTAL-PAGEANT	838			587	1	586		21 790	
PAKOWKI LAKE 004-07W4									
BOW ISLAND A	510	0.80	0.05	388	364	24	34	826	6 888
BOW ISLAND B	376	0.85	0.05	304	212	92	37	3 366	1 575
OTHER	423			287	57	230		8 373	
TOTAL-PAKOWKI LAKE	1 309			979	633	346		12 565	
PALLISER 062-10W6									
TOTAL-PALLISER	55			37		37		1 488	
PANTHER RIVER 030-10W5									
RUNDLE A	763	0.75	0.15	486	11	475	37	17 499	200
RUNDLE B	782	0.75	0.20	470		470	38	17 667	200
TURNER VALLEY 29-029-10	2 515	0.75	0.30	1 320		1 320	37	49 421	400
OTHER	3 395			220		220		7 922	
TOTAL-PANTHER RIVER	7 455			2 496	11	2 485		92 509	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.78	0.051	0.80	24 800	80	0.736	0.91	2 656.7	1951	1988	
								1951	1988	CWNGNUL KANNGAZ PANALTA TCPL
3.83	0.140	0.80	24 540	106	0.942	0.66	2 896.9	1977	1984	PROGAS TCPL
5.20	0.292	0.50	6 690	32	0.893	0.58	784.9	1951	1988	TCPL PRODUCTION DECLINE
1.26	0.301	0.55	6 670	34	0.895	0.57	765.1	1963	1985	PRODUCTION DECLINE
2.77	0.287	0.65	8 200	34	0.870	0.58	874.2	1963	1985	PRODUCTION DECLINE
								1963	1985	TCPL
6.20	0.145	0.35	12 230	60	0.823	0.69	1 533.9	1956	1987	CWNGNUL PRODUCTION DECLINE
4.38	0.076	0.60	12 240	55	0.811	0.70	1 551.4	1956	1977	CWNGNUL CONCURRENT PRODUCTION OIL DEPLETED
12.50	0.226	0.80	10 890	43	0.835	0.65	1 430.5	1987	1987	
1.27	0.258	0.70	5 540	27	0.911	0.59	667.8	1955	1987	CMG PRODUCTION DECLINE
2.09	0.277	0.70	5 720	33	0.903	0.59	702.0	1971	1972	CMG
35.00	0.060	0.85	24 130	78	0.915	0.66	3 936.6	1958	1984	
48.00	0.040	0.85	30 790	104	0.969	0.69	4 556.5	1973	1984	TOP/BASE TVD
53.90	0.047	0.85	39 280	102	1.020	0.74	4 587.4	1978	1988	TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
PARADISE 047-02W4									
TOTAL-PARADISE	213			139		139		4 823	
PARFLESH 025-22W4									
TOTAL-PARFLESH	1 115			645	91	554		21 835	
PARKER 070-05W5									
TOTAL-PARKER	148			85	84	1		38	
PARKLAND 015-28W4									
TOTAL-PARKLAND	445			299	38	261		10 031	
PARKLAND NORTHEAST 015-27W4									
LOWER MANNVILLE A	531	0.75	0.10	358	108	250	39	9 858	792
MOUNT HEAD 015-26	725	0.90	0.15	555		555	39	21 656	810
OTHER	1 009			711	265	446		17 581	
TOTAL-PARKLAND NORTHEAST	2 265			1 624	373	1 251		49 095	
PASTECHO (SA) 079-06W5									
TOTAL-PASTECHO	27			17		17		644	
PAXON 065-21W4									
TOTAL-PAXON	66			43		43		1 600	
PEACOCK 014-27W4									
TOTAL-PEACOCK	24			16	13	3		116	
PEAK 119-05W6									
TOTAL-PEAK	33			22		22		763	
PEARL 030-16W4									
TOTAL-PEARL	117			74		74		2 887	
PEAVEY 056-24W4									
TOTAL-PEAVEY	470			294	185	109		4 058	
PEAVINE (SA) 075-20W5									
TOTAL-PEAVINE	11			7		7		262	
PECO 047-15W5									
GETHING A	4 393	0.70	0.20	2 460	750	1 710	41	70 298	4 798
JURASSIC B	1 317	0.75	0.10	889		889	40	35 347	1 971
NISKU A	704	0.85	0.25	449	234	215	42	8 940	128
NISKU 36-047-15	908	0.85	0.15	656		656	39	25 427	200
OTHER	2 244			1 463	132	1 331		53 837	
TOTAL-PECO	9 566			5 917	1 116	4 801		193 849	
PEDIGREE (SA) 100-12W6									
TOTAL-PEDIGREE	225			137		137		5 235	
PEDLEY (SA) 053-25W5									
TOTAL-PEDLEY	1 441			976		976		39 787	
PEERLESS 079-22W4									
TOTAL-PEERLESS	93			60		60		2 242	
PEIGAN 008-08W4									
TOTAL-PEIGAN	113			83	9	74		2 659	
PELICAN 079-24W4									
TOTAL-PELICAN	713			468		468		17 432	
PEMBINA 048-07W5									
KEY BELLY RIVER B SOLN	1 225	0.49	0.45	330	175	155	39	6 016	
KEY BELLY RIVER A	879	0.80	0.05	668	636	32	38	1 225	2 207
BELLY RIVER SS	460	0.75	0.05	327	89	238	38	9 115	1 175
BELLY RIVER ZZ	594	0.75	0.10	401	295	106	38	3 987	1 846
BELLY RIVER A2A SOLN	57	0.65	0.35	24[b]			39		
BELLY RIVER A2A ASSOC	800	0.75	0.10	540[b]	192[b]	372	39	14 631	1 789
CARDIUM SOLN	113 568	0.34	0.47	20 465	12 368	8 097	40	327 119	
LOB GLAUCONITIC A	4 714	0.65	0.06	2 880	2 256	624	40	24 648	9 594
LOB GLAUCONITIC E		0.80	0.05				40		3 354
LOBSTICK GLAUC G		0.80	0.05				40		1 994

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
5.90	0.132	0.55	15 560	65	0.837	0.65	2 273.1	1979	1984	PROGAS
4.95	0.123	0.75	19 800	64	0.852	0.66	2 113.3	1953	1979	BER
2.85	0.134	0.85	38 500	102	1.035	0.77	3 041.6	1971	1988	TCPL DEEP CUT SL
3.77	0.112	0.75	20 700	93	0.885	0.67	3 115.4	1971	1987	TCPL
30.00	0.045	0.90	37 100	148	1.034	1.10	3 970.2	1981	1988	PRODUCTION DECLINE
24.80	0.065	0.85	54 510	110	1.221	0.70	3 669.8	1980	1988	
						0.68		1956	1988	CWNGNUL
5.93	0.192	0.65	7 030	38	0.884	0.58	975.6	1956	1988	CWNGNUL PRODUCTION DECLINE
3.30	0.201	0.60	6 580	27	0.868	0.60	925.8	1957	1987	A&S
3.26	0.214	0.65	6 510	27	0.869	0.63	883.3	1965	1987	CWNGNUL PANALTA
						0.68		1978	1988	CONCURRENT PRODUCTION
5.38	0.134	0.60	9 350	42	0.817	0.68	1 306.1	1978	1988	CONCURRENT PRODUCTION
						0.70		1953	1988	CWNGNUL A&S TCPL PANALTA ATCOR KANNGAZ
7.89	0.139	0.50	13 680	60	0.818	0.67	1 787.3	1957	1987	TCPL A&S CWNGNUL CEL MATERIAL BALANCE
7.91	0.147	0.55	13 640	56	0.806	0.67	1 705.9	1960	1987	MATERIAL BALANCE
4.62	0.139	0.60	13 640	56	0.806	0.67	1 692.9	1960	1987	MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m^3	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
PEMBINA 048-07W5 (CONTINUED)									
LOB GLAUCONITIC E & G TOTAL	5 000	0.80	0.05	3 800	1 576	2 224	40	88 293	
GLAUCONITIC I	3 876	0.70	0.06	2 550			39		4 547
LOBSTICK GLAUC D	144	0.70	0.10	91			39		150
OSTRACOD C	195	0.75	0.10	131			40		700
GLC I,LOB GLC D&OST C TOTAL	4 215	0.70	0.05	2 772	1 292	1 480	39	58 090	
NISKU D SOLN	672	0.72	0.15	411	156	255	43	10 845	
NISKU L SOLN	620	0.82	0.20	406	196	210	43	8 931	
NISKU P SOLN	791	0.78	0.25	463	218	245	43	10 420	
NISKU Q SOLN	420	0.84	0.15	300	86	214	43	9 101	
OTHER	24 161			13 311	-1 771	15 082		603 769	
TOTAL-PEMBINA	158 176			47 098	17 764	29 334		1 176 190	
PENDANT D'OREILLE 004-09W4									
BOW ISLAND B	453	0.75	0.05	323	299	24	35	844	4 557
BOW ISLAND		0.85	0.05				35		17 914
BOW ISLAND F		0.85	0.05				35		8 567
BOW ISLAND G		0.85	0.05				35		970
BOW ISLAND H		0.85	0.05				35		1 926
BOW ISLAND J		0.85	0.05				35		200
BOW ISL & BI FGH&J TOTAL	5 201	0.85	0.05	4 200	3 479	721	35	25 192	
MANNVILLE A	1 217	0.90	0.05	1 040	875	165	37	6 095	1 812
MANNVILLE C	1 220	0.85	0.05	985	866	119	37	4 390	1 417
MANNVILLE H	449	0.75	0.05	320	188	132	37	4 876	751
OTHER	1 204			837	347	490		17 575	
TOTAL-PENDANT D'OREILLE	9 744			7 705	6 054	1 651		58 972	
PENHOLD 036-27W4									
LOWER MANNVILLE B	525	0.85	0.05	424	372	52	40	2 078	930
OTHER	1 890			1 184	57	1 127		44 280	
TOTAL-PENHOLD	2 415			1 608	429	1 179		46 358	
PEORIA 076-02W6									
TOTAL-PEORIA	379			272		272		10 043	
PEPPERS (SA) 052-24W5									
TOTAL-PEPPERS	613			431		431		16 876	
PERRYVALE 064-23W4									
TOTAL-PERRYVALE	151			104		104		3 916	
PERT (SA) 125-06W6									
TOTAL-PERT	4			3		3		112	
PETER 072-01W5									
TOTAL-PETER	15			9		9		348	
PETITOT (SA) 122-10W6									
TOTAL-PETITOT	48			31		31		1 162	
PHILOMENA 071-09W4									
TOTAL-PHILOMENA	589			295	101	194		7 110	
PHILP (SA) 002-12W4									
TOTAL-PHILP	46			29		29		1 057	
PHOENIX 039-10W5									
TOTAL-PHOENIX	416			269	62	207		8 394	
PICA (SA) 084-05W6									
TOTAL-PICA	19			13		13		487	
PINCHER CREEK 004-29W4									
RUNDLE A	44 927	0.30	0.31	9 300	9 190	110	39	4 269	5 666
TOTAL-PINCHER CREEK	44 927			9 300	9 190	110		4 269	
PINE CREEK 057-19W5									
CARDIUM H SOLN	1 019	0.62	0.20	506			37		
CARDIUM H & I TOTAL	1 019	0.60	0.20	506	323	183	37	6 822	
BLUESKY A	1 719	0.75	0.10	1 160	91	1 069	41	43 551	1 704
CADOMIN 11-057-20	494	0.80	0.10	356		356	39	13 738	300
NORDEGG A	4 984	0.70	0.10	3 140			39		8 338
TRIASSIC A	44	0.70	0.10	28			38		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1960	1987	CWNGNUL KANNGAZ
7.35	0.136	0.55	14 860	59	0.821	0.66	1 854.0	1958	1987	PART OF GLAUC POOL NO.5
8.07	0.140	0.60	13 720	60	0.826	0.66	1 846.4	1960	1988	PART OF GLAUC POOL NO.5
1.89	0.139	0.65	15 870	64	0.823	0.67	1 886.1	1970	1988	PART OF GLAUC POOL NO.5
								1958	1988	A&S PART OF GLAUC POOL NO.5
						0.80		1978	1988	
						0.80		1978	1986	
						0.80		1979	1987	
						0.80		1980	1986	
1.26	0.221	0.75	5 100	24	0.912	0.58	653.9	1954	1983	CMG MATERIAL BALANCE
2.60	0.252	0.70	4 670	24	0.920	0.58	620.4	1946	1983	MATERIAL BALANCE
1.53	0.255	0.65	4 950	24	0.916	0.58	681.4	1946	1983	MATERIAL BALANCE
1.34	0.200	0.65	4 850	20	0.913	0.58	635.6	1946	1983	MATERIAL BALANCE
1.37	0.209	0.70	4 850	20	0.913	0.58	653.4	1946	1983	MATERIAL BALANCE
2.10	0.209	0.70	5 030	24	0.914	0.58	669.5	1957	1983	MATERIAL BALANCE
								1946	1983	CMG
6.10	0.214	0.65	7 930	30	0.873	0.57	845.3	1961	1971	CMG MATERIAL BALANCE
7.53	0.223	0.65	8 230	30	0.869	0.57	818.1	1965	1984	CMG MATERIAL BALANCE
5.38	0.186	0.70	7 940	30	0.873	0.57	867.6	1971	1988	CMG
10.67	0.116	0.75	16 200	71	0.804	0.75	1 899.9	1971	1983	A&S KANNGAZ MATERIAL BALANCE
107.59	0.040	0.80	34 080	89	0.951	0.76	3 810.0	1948	1983	TCPL PRODUCTION DECLINE GAS CYCLING
						0.71		1978	1982	MU-SOLN CARDIUM H&I
						0.71		1974	1982	
6.84	0.097	0.80	21 460	94	0.875	0.70	2 543.5	1961	1988	A&S
7.30	0.142	0.75	23 750	84	0.894	0.68	2 808.1	1977	1987	A&S PROGAS
4.45	0.097	0.75	21 920	96	0.915	0.65	2 691.0	1965	1985	
1.50	0.098	0.80	22 060	94	0.923	0.62	2 547.7	1976	1988	TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
PINE CREEK 057-19W5 (CONTINUED)									
NORDEGG A & TRIASSIC TOTAL	5 028	0.70	0.10	3 168	507	2 661	39	103 673	
ELKTON A	681	0.85	0.15	492	301	191	38	7 306	400
WABAMUN	3 069	0.80	0.45	1 350	1 225	125	38	4 740	1 619
WABAMUN B	6 773	0.80	0.45	2 980	2 787	193	38	7 309	3 905
WABAMUN C	4 231	0.80	0.35	2 200	1 625	575	38	21 793	663
D-3	23 514	0.35	0.35	5 350	4 963	387	37	14 408	3 966
OTHER	2 850			1 622	47	1 575		60 817	
TOTAL-PINE CREEK	49 378			19 184	11 869	7 315		284 157	
PINE NORTHWEST 058-20W5									
D-3 A	8 991	0.35	0.25	2 360	1 872	488	37	17 954	1 305
OTHER	249			178	56	122		4 494	
TOTAL-PINE NORTHWEST	9 240			2 538	1 928	610		22 448	
PINEDALE 054-16W4									
TOTAL-PINEDALE	311			205	26	179		6 667	
PINEHURST 066-10W4									
TOTAL-PINEHURST	73			47		47		1 741	
PINGEL 081-07W6									
TOTAL-PINGEL	181			129		129		4 882	
PLACID 060-23W5									
TOTAL-PLACID	260			178		178		7 072	
PLAIN 053-12W4									
UPPER MANNVILLE F	652	0.75	0.05	465	456	9	37	333	2 140
UPPER MANNVILLE H	95	0.70	0.05	64			37		996
UPPER MANNVILLE K	193	0.70	0.05	128			37		794
UPPER MANNVILLE L	13	0.70	0.05	9			37		150
UPPER MANNVILLE M	9	0.70	0.05	6			37		128
SPARKY B	345	0.80	0.03	268			37		1 745
U MANN HKLM & SPKY B TOTAL	655	0.75	0.05	475	249	226	37	8 443	
UPPER MANNVILLE A	115	0.70	0.05	77			38		581
UPPER MANNVILLE B	64	0.70	0.05	43			38		128
COLONY A	278	0.65	0.05	172			38		1 424
SPARKY A	134	0.70	0.05	89			37		660
U MN AB,COL A & SPKY TOTAL	591	0.70	0.05	381	102	279	38	10 493	
COLONY F	530	0.85	0.05	428	245	183	37	6 789	2 885
COLONY B	361	0.70	0.05	240			38		1 708
COLONY C	84	0.80	0.05	64			37		150
COLONY B & C TOTAL	445	0.70	0.05	304	65	239	38	9 008	
LOWER MANNVILLE D		0.65	0.05				37		256
NISKU C		0.70	0.05				36		344
L MANN D & NISKU C TOTAL	506	0.70	0.05	336	272	64	37	2 346	
CAMROSE A	1 011	0.75	0.05	720	464	256	37	9 516	4 411
OTHER	6 102			4 053	1 746	2 307		86 083	
TOTAL-PLAIN	10 492			7 162	3 599	3 563		133 011	
PLANTE 055-22W5									
LEDUC 26-055-22	850	0.80	0.40	408		408	37	15 284	200
OTHER	632			453		453		17 207	
TOTAL-PLANTE	1 482			861		861		32 491	
PLEASANT 068-20W4									
TOTAL-PLEASANT	586			386	148	238		8 941	
PLUTO (SA) 044-15W5									
TOTAL-PLUTO	39			26		26		1 021	
POLLOCKVILLE 025-10W4									
ELLERSLIE A	607	0.85	0.05	490	67	423	37	15 782	988
OTHER	374			267	27	240		8 969	
TOTAL-POLLOCKVILLE	981			757	94	663		24 751	
POMME (SA) 115-24W5									
TOTAL-POMME	17			10		10		371	
PONOKA 043-26W4									
TOTAL-PONOKA	49			33		33		1 221	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
								1965	1987	A&S PSR PANALTA PROGAS TCPL
12.50	0.082	0.80	23 230	80	0.902	0.66	2 600.2	1968	1982	PANALTA
3.52	0.069	0.85	29 790	99	0.831	0.84	3 026.1	1957	1983	A&S MATERIAL BALANCE
6.61	0.069	0.85	29 500	99	0.851	0.81	3 130.3	1956	1983	A&S PROGAS MATERIAL BALANCE
5.05	0.062	0.85	31 220	115	0.918	0.77	3 459.2	1958	1985	A&S MATERIAL BALANCE
39.14	0.070	0.85	31 550	113	0.913	0.78	3 360.1	1957	1987	A&S PROGAS
47.50	0.064	0.90	32 060	116	0.961	0.71	3 250.2	1963	1982	A&S PRODUCTION DECLINE
1.87	0.280	0.60	4 620	24	0.914	0.57	724.6	1968	1981	TCPL MATERIAL BALANCE
1.26	0.250	0.55	5 170	24	0.895	0.60	647.2	1959	1978	
1.26	0.300	0.55	5 210	24	0.902	0.57	657.8	1959	1982	PRODUCTION DECLINE
1.20	0.210	0.60	5 200	23	0.901	0.57	656.6	1975	1988	
0.90	0.270	0.50	5 170	24	0.903	0.57	672.7	1975	1983	
2.53	0.275	0.55	4 900	24	0.908	0.57	673.9	1958	1974	
								1958	1983	TCPL
2.40	0.275	0.55	5 100	24	0.899	0.58	647.4	1952	1986	
5.55	0.275	0.60	5 140	24	0.901	0.57	639.2	1959	1986	
2.00	0.275	0.70	4 790	24	0.905	0.58	607.4	1952	1986	
2.60	0.275	0.55	4 900	24	0.907	0.58	665.1	1952	1976	
								1952	1982	CWNGNUL TCPL
1.83	0.300	0.65	4 830	21	0.907	0.57	604.3	1970	1978	TCPL
2.15	0.275	0.70	4 930	29	0.909	0.58	609.6	1958	1978	
5.55	0.275	0.70	4 960	24	0.906	0.57	603.5	1968	1988	
								1958	1978	TCPL
1.50	0.250	0.60	4 670	24	0.914	0.57	714.8	1970	1985	MATERIAL BALANCE
4.65	0.180	0.55	4 670	27	0.918	0.57	723.9	1970	1986	MATERIAL BALANCE
								1970	1985	TCPL
2.64	0.150	0.60	4 650	33	0.923	0.57	733.7	1968	1981	CWNGNUL TCPL MATERIAL BALANCE
33.30	0.053	0.90	36 760	130	0.970	0.79	3 777.4	1987	1988	TOP/BASE TVD
3.35	0.249	0.65	10 100	29	0.840	0.58	996.1	1980	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
PONY (SA) 080-08W4									
TOTAL-PONY	18			10		10		374	
PORTAGE 078-17W4									
MCMURRAY-GROSMONT A	1 533	0.60	0.05	874			37		17 399
MCMURRAY-GROSMONT A	1 378	0.50	0.05	655			37		17 420
MCMURRAY-GROSMONT A TOTAL	2 911	0.55	0.05	1 529	1 432	97	37	3 595	
OTHER	215			112		112		4 160	
TOTAL-PORTAGE	3 126			1 641	1 432	209		7 755	
POTOGO (SA) 095-21W5									
TOTAL-POTOGO	9			7		7		262	
POUCE COUPE 080-12W6									
PEACE RIVER A	4 816	0.75	0.02	3 540	3 284	256	38	9 672	11 891
KISKATINAW D	314	0.80	0.05	238			37		370
KISKATINAW D	1 055	0.80	0.05	802			38		1 419
KISKATINAW D TOTAL	1 369	0.80	0.05	1 040	640	400	38	15 036	
KISKATINAW F	806	0.85	0.05	651	22	629	38	23 606	1 344
KISKATINAW G	692	0.80	0.05	526		526	38	19 741	612
KISKATINAW B 079-12	510	0.70	0.05	339		339	38	12 723	731
OTHER	2 876			2 021	318	1 703		64 799	
TOTAL-POUCE COUPE	11 069			8 117	4 264	3 853		145 577	
POUCE COUPE SOUTH 078-12W6									
PEACE RIVER A	960	0.75	0.03	698	662	36	38	1 362	6 809
PEACE RIVER B	1 284	0.70	0.02	881	876	5	38	190	4 962
GETHING A	526	0.90	0.03	459	459	< 1	38	-	300
CADOMIN 077-11	459	0.80	0.05	349		349	37	13 018	901
DOIG B	2 930	0.80	0.10	2 110	279	1 831	39	71 024	2 756
OTHER	3 150			1 756	324	1 432		55 573	
TOTAL-POUCE COUPE SOUTH	9 309			6 253	2 600	3 653		141 167	
PRAIRIE RIVER (SA) 070-14W5									
TOTAL-PRAIRIE RIVER	146			99		99		3 834	
PRESLEY 059-19W5									
TOTAL-PRESLEY	464			340	143	197		7 821	
PRESPATOU (SA) 088-13W6									
TOTAL-PRESPATOU	221			142		142		5 507	
PREVO 039-01W5									
PEKISKO B	1 250	0.60	0.10	675	592	83	40	3 279	604
OTHER	1 411			854	256	598		24 525	
TOTAL-PREVO	2 661			1 529	848	681		27 804	
PRINCESS 020-11W4									
MILK RIVER A	11 684	0.70	0.05	7 770			36		87 450
MEDICINE HAT A	6 407	0.70	0.03	4 350			36		83 907
MEDICINE HAT C	736	0.50	0.03	357			36		26 646
MEDICINE HAT D	522	0.50	0.03	253			36		18 374
SECOND WHITE SPECKS A	7 761	0.75	0.05	5 530			36		66 465
SE ALTA GAS SYS(MU) TOTAL	27 110	0.70	0.05	18 260	6 934	11 326	36	413 059	
BASAL MANNVILLE A	506	0.90	0.05	432	141	291	37	10 718	425
BASAL MANNVILLE M	769	0.60	0.05	438	429	9	37	336	739
JEFFERSON B	1 014	0.90	0.20	730	574	156	35	5 491	3 285
OTHER	2 829			2 045	1 136	909		33 768	
TOTAL-PRINCESS	32 228			21 905	9 214	12 691		463 372	
PRITCHARD 061-01W4									
TOTAL-PRITCHARD	26			17	4	13		478	
PROGRESS 077-09W6									
HALFWAY B SOLN	707	0.65	0.10	414	59	355	40	14 097	
HALFWAY A	2 915	0.85	0.10	2 230	492	1 738	40	69 016	3 057
DOIG C	592	0.80	0.05	450		450	37	16 605	1 039
UPPER BELLOY 078-09	843	0.75	0.05	600		600	31	18 438	992
MIDDLE BELLOY 078-09	766	0.75	0.05	546		546	35	19 268	1 194
OTHER	3 263			2 298	92	2 206		85 321	
TOTAL-PROGRESS	9 086			6 538	643	5 895		222 745	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.68	0.350	0.55	1 700	20	0.966	0.56	358.4	1972	1982	
15.45	0.120	0.25	1 700	20	0.967	0.57	369.0	1972	1982	
								1972	1982	TCPL
6.39	0.180	0.70	4 290	33	0.926	0.57	710.6	1943	1985	A&S WCOAST PRODUCTION DECLINE
5.93	0.107	0.75	21 360	96	0.923	0.62	2 307.0	1985	1988	
6.02	0.086	0.80	21 450	96	0.921	0.62	2 331.4	1981	1988	PROGAS WCOAST A&S PANALTA
								1981	1988	
4.56	0.090	0.80	21 450	92	0.915	0.62	2 339.0	1976	1988	
10.34	0.081	0.75	21 490	96	0.920	0.62	2 361.3	1976	1988	
6.12	0.079	0.80	21 550	96	0.920	0.62	2 358.5	1974	1988	
2.02	0.200	0.60	5 600	41	0.914	0.56	978.9	1956	1988	WCOAST MATERIAL BALANCE
8.26	0.168	0.70	5 540	40	0.913	0.57	1 010.1	1953	1986	WCOAST A&S PRODUCTION DECLINE
6.70	0.145	0.80	13 410	64	0.869	0.61	1 517.1	1958	1986	
3.95	0.146	0.70	13 000	64	0.870	0.62	1 542.0	1979	1982	WCOAST
8.18	0.098	0.80	17 770	75	0.876	0.62	1 912.4	1977	1986	WCOAST PROGAS
9.69	0.071	0.60	16 490	61	0.812	0.68	2 013.9	1958	1986	TCPL PRODUCTION DECLINE
5.28	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.77	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.70	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
0.72	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.51	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	PANALTA TCPL
6.98	0.200	0.70	10 690	31	0.821	0.62	970.2	1940	1966	
2.79	0.250	0.50	10 800	35	0.832	0.62	995.2	1958	1977	MATERIAL BALANCE
4.12	0.080	0.75	10 980	38	0.804	0.81	1 200.0	1940	1973	TCPL
						0.64		1981	1986	PANALTA
6.26	0.121	0.75	17 540	75	0.854	0.64	1 905.5	1977	1988	PANALTA
3.87	0.096	0.85	18 920	68	0.875	0.62	1 846.7	1981	1988	PROGAS
5.70	0.133	0.70	18 940	83	0.945	0.64	2 049.7	1980	1984	SOQUIP
3.94	0.140	0.70	19 230	83	0.924	0.59	2 066.3	1980	1985	SOQUIP

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
PROVINCE 008-11W4									
TOTAL-PROVINCE	57			40		40		1 423	
PROVOST 037-07W4									
BELLY RIVER B	454	0.70	0.05	302	67	235	37	8 730	2 644
VIKING A ASSOC	50 000	0.75	0.04	36 000[b]			37		469 193
VIKING A SOLN	2 325	0.12	0.20	223[b]			37		
VIKING CAK & MANN E TOTAL	52 325	0.70	0.05	36 223[b]	26 048[b]	10 175	37	379 528	
VIKING L	651	0.70	0.05	433			36		7 976
VIKING O	29	0.65	0.01	19			37		363
VIKING L & O TOTAL	680	0.70	0.05	452	122	330	36	12 015	
BASAL COLORADO D	457	0.80	0.05	348	32	316	38	11 910	3 606
BASAL COLORADO A	903	0.70	0.05	600			37		4 662
MANNVILLE M	146	0.65	0.05	90			37		679
BSL COLO A & MANN M TOTAL	1 049	0.70	0.05	690	79	611	37	22 803	
MANNVILLE Q	645	0.80	0.05	490	174	316	37	11 629	440
MANNVILLE Z	1 109	0.85	0.10	849	684	165	38	6 306	2 479
UPPER MANNVILLE B ASSOC	379	0.75	0.05	270			36		382
UPPER MANNVILLE B SOLN	376	0.65	0.15	207			36		
UPPER MANNVILLE B ASSOC	9	0.65	0.05	6			36		40
UPPER MANNVILLE B ASSOC	6	0.65	0.05	4			36		43
UPPER MANNVILLE B TOTAL	770	0.70	0.10	487	6	481	36	17 206	
UPPER MANNVILLE AA	830	0.85	0.05	671	466	205	38	7 819	2 336
UPPER MANNVILLE E2E	7 052	0.75	0.10	4 760			38		13 003
LOWER MANNVILLE FF	87	0.70	0.10	55			38		528
U MANN E2E&L MANN FF TOTAL	7 139	0.75	0.10	4 815	1 592	3 223	38	121 604	
LOWER MANNVILLE EE	527	0.80	0.05	401	332	69	38	2 611	300
OTHER	16 068			10 500	1 905	8 595		313 323	
TOTAL-PROVOST	82 053			56 228	31 507	24 721		915 484	
PUSKWASKAU 074-01W6									
TOTAL-PUSKWASKAU	1 252			732		732		29 344	
PYRAMID 105-10W6									
TOTAL-PYRAMID	49			33		33		1 256	
QUEENSTOWN 019-21W4									
TOTAL-QUEENSTOWN	159			110		110		4 160	
QUIGLEY (SA) 083-14W4									
TOTAL-QUIGLEY	2			1		1		37	
QUIRK CREEK 021-04W5									
RUNDLE A	13 000	0.80	0.25	7 800	5 876	1 924	40	77 518	2 250
RUNDLE C	544	0.75	0.25	306	217	89	40	3 546	200
RUNDLE E	2 314	0.50	0.25	868	260	608	40	24 308	400
RUNDLE 15-021-05	802	0.80	0.25	482		482	40	19 511	200
OTHER	294			132		132		5 150	
TOTAL-QUIRK CREEK	16 954			9 588	6 353	3 235		130 033	
RACOSTA 031-11W4									
TOTAL-RACOSTA	569			387	48	339		12 814	
RADWAY 059-20W4									
TOTAL-RADWAY	609			398	2	396		14 740	
RAINBOW 110-06W6									
BLUESKY A	5 954	0.70	0.05	3 960			37		51 456
BLUESKY A	1 108	0.50	0.05	526			37		13 227
BLUESKY A	47	0.50	0.05	23			37		1 259
BLUESKY A	82	0.50	0.05	39			37		1 533
BLUESKY A	7	0.70	0.05	5			37		200
BLUESKY A	17	0.70	0.05	11			37		200
BLUESKY A	4	0.70	0.05	3			37		200
BLUESKY A	24	0.70	0.05	16			37		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.60	0.280	0.70	2 340	14	0.952	0.55	306.2	1971	1980	
1.60	0.220	0.38	5 890	29	0.890	0.60	765.0	1946	1985	MATERIAL BALANCE MU - VIKING CAK&MANN E, CONC PROD
						0.60		1946	1985	MATERIAL BALANCE MU - VIKING CAK&MANN E, CONC PROD
								1946	1985	CWNGNUL PANALTA TCPL KANNGAZ ATCOR PSR CONCURRENT PRODUCTION
1.23	0.220	0.50	5 860	33	0.902	0.60	888.1	1952	1987	
0.88	0.250	0.60	5 800	30	0.894	0.61	929.4	1957	1987	
								1952	1987	
1.10	0.250	0.70	6 310	33	0.890	0.59	983.6	1951	1977	PROGAS
2.53	0.200	0.60	6 130	34	0.890	0.60	928.8	1963	1984	
2.59	0.190	0.75	5 670	35	0.899	0.62	934.8	1976	1988	
								1975	1988	TCPL
3.50	0.300	0.80	6 140	30	0.893	0.59	804.3	1972	1985	TCPL MATERIAL BALANCE
2.23	0.295	0.80	7 790	33	0.852	0.62	1 063.9	1949	1986	LOC U TCPL PANALTA MATERIAL BALANCE
6.87	0.300	0.80	5 670	25	0.900	0.59	761.2	1973	1988	
						0.59		1973	1988	
1.58	0.300	0.80	5 670	24	0.898	0.59	725.6	1973	1979	
0.99	0.300	0.80	5 670	24	0.898	0.59	733.7	1973	1984	
								1973	1988	TCPL
1.96	0.225	0.65	9 280	37	0.833	0.64	1 072.2	1975	1987	CWNGNUL MATERIAL BALANCE
4.71	0.211	0.65	7 820	35	0.860	0.62	1 125.3	1974	1988	
1.59	0.193	0.65	7 680	37	0.852	0.65	1 145.2	1982	1985	
								1974	1988	CWNGNUL KANNGAZ PANALTA PROGAS TCPL ATCOR
3.60	0.146	0.60	7 810	35	0.855	0.63	1 126.2	1984	1986	PANALTA TCPL MATERIAL BALANCE
43.39	0.080	0.80	15 720	49	0.745	0.76	1 921.5	1967	1984	TCPL MATERIAL BALANCE TOP/BASE TVD
22.10	0.070	0.80	18 410	70	0.795	0.77	2 806.5	1975	1988	TCPL PRODUCTION DECLINE
59.25	0.063	0.80	18 550	73	0.787	0.80	2 799.9	1973	1988	TCPL TOP/BASE TVD
33.50	0.080	0.80	18 100	70	0.802	0.76	2 595.8	1975	1982	TCPL
5.32	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1987	PART OF BLSKY POOL NO.1
3.85	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.72	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
2.45	0.210	0.40	2 520	19	0.948	0.58	335.3	1972	1985	PART OF BLSKY POOL NO.1
1.60	0.210	0.40	2 520	19	0.948	0.58	332.7	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-30-108-2 W6M
3.90	0.210	0.40	2 520	19	0.948	0.58	361.5	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-3-108-3 W6M
1.50	0.120	0.40	2 520	19	0.948	0.58	328.1	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-2-109-3 W6M
4.57	0.200	0.50	2 520	19	0.948	0.58	276.5	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-110-2 W6M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
RAINBOW 110-06W6 (CONTINUED)									
BLUESKY A	29	0.70	0.05	19			37		200
BLUESKY A	9	0.70	0.05	6			37		200
BLUESKY A	54	0.55	0.05	29			38		200
BLUESKY A TOTAL	7 335	0.65	0.05	4 637	1 612	3 025	37	112 228	
SLAVE POINT A	425	0.85	0.10	325	34	291	38	10 962	782
SULPHUR POINT Q	400	0.85	0.10	306	64	242	39	9 344	32
KEG RIVER B SOLN	3 403	0.72	0.30	1 715	1 274	441	39	17 168	
KEG RIVER F SOLN	5 000	0.60	0.45	1 650	1 646	4	43	173	
KEG RIVER II SOLN	586	0.75	0.30	308	229	79	41	3 253	
KEG RIVER A SOLN	3 409	0.88	0.30	2 100[b]			41		
KEG RIVER A ASSOC	1 173	0.90	0.10	950[b]	-146[b]	3 196	41	132 378	104
KEG RIVER F ASSOC	775	0.85	0.15	560	-43	603	43	26 098	674
KEG RIVER D SOLN	1 625	0.80	0.25	975[b]			40		
KEG RIVER D ASSOC		0.75	0.10		2[b]	973	40	39 008	
KEG RIVER AA SOLN	2 071	0.70	0.40	870[b]			44		
KEG RIVER AA ASSOC		0.75	0.10		-5[b]	875	44	38 063	
KEG RIVER Q	565	0.85	0.10	432		432	40	17 388	64
KEG RIVER FFF	626	0.90	0.20	450	340	110	42	4 588	64
OTHER	12 853			6 253	702	5 551		224 152	
TOTAL-RAINBOW	40 246			21 531	5 709	15 822		634 803	
RAINBOW SOUTH 107-09W6									
KEG RIVER A SOLN	1 007	0.54	0.50	272[b]			39		
KEG RIVER A ASSOC	428	0.85	0.15	309[b]	342[b]	239	39	9 431	84
KEG RIVER B SOLN	1 056	0.81	0.40	513[b]			44		
KEG RIVER B ASSOC	150	0.75	0.25	85[b]	-102[b]	700	44	30 604	37
OTHER	5 146			2 573	903	1 670		64 106	
TOTAL-RAINBOW SOUTH	7 787			3 752	1 143	2 609		104 141	
RAINIER 017-15W4									
TOTAL-RAINIER	454			317	16	301		10 827	
RAMBLING 090-07W6									
TOTAL-RAMBLING	34			21		21		781	
RANFURLY 050-12W4									
TOTAL-RANFURLY	1 453			970	427	543		20 145	
RASPBERRY (SA) 066-17W5									
TOTAL-RASPBERRY	81			55		55		2 162	
RATZ (SA) 126-18W5									
TOTAL-RATZ	68			47		47		1 763	
REAGAN 001-19W4									
TOTAL-REAGAN	182			88	27	61		2 188	
RED CAP (SA) 046-20W5									
TOTAL-RED CAP	575			397		397		15 529	
RED COULEE 001-17W4									
TOTAL-RED COULEE	19			14	11	3		113	
RED EARTH 087-08W5									
TOTAL-RED EARTH	452			237		237		8 837	
RED ROCK 063-07W6									
TOTAL-RED ROCK	1 410			1 000	254	746		29 435	
RED WILLOW 040-17W4									
VIKING C	268	0.75	0.05	191			37		3 610
VIKING D	453	0.60	0.05	258			37		4 555
VIKING C & D TOTAL	721	0.65	0.05	449	99	350	37	12 891	
OTHER	2 634			1 677	393	1 284		47 044	
TOTAL-RED WILLOW	3 355			2 126	492	1 634		59 935	
REDFISH 092-08W5									
TOTAL-REDFISH	27			15		15		550	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.90	0.200	0.40	2 520	19	0.948	0.58	485.7	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 3-2-110-8 W6M
2.00	0.210	0.40	2 520	19	0.948	0.58	249.6	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-26-111-2 W6M
12.90	0.213	0.40	2 440	24	0.951	0.58	445.5	1972	1988	PART OF BLSKY POOL NO.1 ASSIGNED WELL 00/11-09-109-08W6M
								1972	1987	PANALTA TCPL CEL PART OF BLSKY POOL NO.1
7.24	0.070	0.75	14 760	77	0.838	0.74	1 689.2	1966	1988	
13.10	0.090	0.85	17 180	82	0.871	0.68	1 694.7	1983	1988	PRODUCTION DECLINE TOP/BASE TVD
						0.79		1965	1988	
						0.87		1966	1988	
						0.77		1967	1983	
						0.81		1965	1986	DRY GAS BREAKTHROUGH
59.10	0.110	0.94	17 690	75	0.783	0.81	1 833.7	1965	1986	DRY GAS BREAKTHROUGH
17.23	0.043	0.80	17 100	72	0.727	0.87	1 790.3	1966	1988	
						0.72		1966	1983	GAS BREAKTHROUGH
						0.72		1966	1983	GAS BREAKTHROUGH
						0.80		1967	1988	CONING SECONDARY GAS CAP
						0.80		1967	1988	CONING SECONDARY GAS CAP
85.04	0.073	0.90	16 510	76	0.851	0.69	1 758.9	1967	1984	
122.19	0.046	0.80	17 690	60	0.694	0.93	1 862.0	1966	1968	
						0.72		1965	1986	GPP
31.09	0.098	0.90	18 330	68	0.823	0.72	1 872.8	1965	1986	GPP
						0.95		1966	1988	DRY GAS BREAKTHROUGH
20.51	0.100	0.90	18 330	68	0.698	0.95	1 876.3	1966	1988	DRY GAS BREAKTHROUGH
1.15	0.148	0.70	5 970	31	0.898	0.59	988.2	1971	1988	
1.31	0.185	0.65	6 100	33	0.897	0.59	991.8	1953	1988	
								1953	1988	TCPL CNG PANALTA PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
REDLAND 027-22W4									
UPPER MANNVILLE A	1 022	0.90	0.04	883	767	116	40	4 601	600
OTHER	491			339	242	97		3 706	
TOTAL-REDLAND	1 513			1 222	1 009	213		8 307	
REDWATER 057-21W4									
UPPER VIKING I	307	0.70	0.05	204			38		3 895
MIDDLE VIKING F	6	0.70	0.05	4			38		200
LOWER VIKING L	205	0.70	0.05	137			38		1 314
UVIK I,MVIK F & LVIK TOTAL	518	0.70	0.05	345	99	246	38	9 279	
UPPER VIKING A	2 526	0.80	0.04	1 940[b]			37		48 349
MIDDLE VIKING A	783	0.80	0.04	601[b]			38		11 540
LOWER VIKING A ASSOC	329	0.80	0.04	252[b]			38		2 849
LOWER VIKING A SOLN	104	0.60	0.25	47[b]			38		
UV A & MV A & LV A TOTAL	3 742	0.80	0.05	2 840[b]	726[b]	2 114	38	79 508	
D-3 SOLN	6 831	0.62	0.60	1 694	1 576	118	49	5 742	
OTHER	2 969			1 935	393	1 542		57 019	
TOTAL-REDWATER	14 060			6 814	2 794	4 020		151 548	
REINE (SA) 081-22W5									
TOTAL-REINE	37			25		25		967	
REITA 059-03W4									
TOTAL-REITA	193			125		125		4 567	
RESDELN (SA) 083-06W4									
TOTAL-RESDELN	214			107		107		3 996	
RETLAW 012-18W4									
BASAL COLORADO B	466	0.85	0.05	376	257	119	36	4 339	3 898
MANNVILLE Y	1 030	0.85	0.20	701	281	420	38	16 111	328
MANNVILLE B ASSOC		0.90	0.05				38		907
MANNVILLE D		0.90	0.05				38		104
MANNVILLE B & D TOTAL	1 567	0.90	0.05	1 340	801	539	38	20 283	
GLAUCONITIC 24-012-18	408	0.85	0.10	312		312	38	11 819	150
OTHER	8 658			5 684	1 464	4 220		158 280	
TOTAL-RETLAW	12 129			8 413	2 803	5 610		210 832	
RIBSTONE 042-04W4									
TOTAL-RIBSTONE	1 038			693	169	524		18 428	
RICH 035-21W4									
LOWER MANNVILLE A	1 777	0.75	0.10	1 200	593	607	39	23 382	4 610
LOWER MANNVILLE D	530	0.80	0.10	382	206	176	39	6 776	812
OTHER	1 107			683	163	520		19 642	
TOTAL-RICH	3 414			2 265	962	1 303		49 800	
RICHDALE 030-12W4									
VIKING A	1 090	0.80	0.05	828			38		9 326
VIKING C	577	0.80	0.05	439			38		4 823
VIKING F	136	0.75	0.05	97			37		440
VIKING A,C & F TOTAL	1 803	0.80	0.05	1 364	651	713	38	26 880	
OTHER	3 424			2 312	744	1 568		59 060	
TOTAL-RICHDALE	5 227			3 676	1 395	2 281		85 940	
RICHMOND 069-19W4									
TOTAL-RICHMOND	127			72	55	17		630	
RICINUS 035-08W5									
CARDIUM Q SOLN	548	0.85	0.10	419	69	350	41	14 242	
CARDIUM W SOLN	585	0.85	0.25	373	60	313	41	12 983	
CARDIUM A SOLN	2 653	0.85	0.15	1 917[b]			41[a]		
CARDIUM A ASSOC	8 316	[c]	[c]	6 950[b]	531[b]	8 336	41[a]	337 775	2 569
CARDIUM B ASSOC	547	[c]	[c]	340		340	40[a]	13 750	349
CARDIUM F SOLN	73	0.75	0.30	39[b]			40		
CARDIUM F ASSOC	2 222	0.80	0.10	1 600[b]	479[b]	1 160	40	46 922	827
CARDIUM L ASSOC	1 014	0.85	0.10	776	-184	960	41	38 909	650
CARDIUM R	960	0.80	0.05	730	231	499	39	19 681	904

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
3.34	0.190	0.70	10 670	54	0.819	0.69	1 487.0	1961	1987	CWNGNUL PRODUCTION DECLINE
1.11	0.229	0.55	5 200	22	0.890	0.60	626.6	1976	1988	
0.50	0.170	0.65	5 200	22	0.897	0.58	625.3	1981	1988	
1.73	0.264	0.60	5 270	22	0.892	0.60	647.1	1976	1983	
								1976	1988	TCPL NONCOMMERCIAL OIL
0.81	0.240	0.50	5 240	33	0.906	0.60	703.8	1947	1988	PART OF VIK POOL NO.1
0.96	0.200	0.60	5 670	33	0.895	0.60	702.3	1947	1988	PART OF VIK POOL NO.1
0.94	0.220	0.60	5 450	21	0.882	0.60	624.8	1947	1988	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						0.60		1947	1988	PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
								1947	1988	CWNGNUL PANALTA TCPL KANNGAZ PART OF VIK POOL NO.1 CONCURRENT PRODUCTION
						1.04		1948	1988	
1.25	0.183	0.60	8 820	30	0.850	0.61	945.7	1960	1987	A&S TCPL PRODUCTION DECLINE
4.30	0.260	0.90	11 790	35	0.780	0.75	1 073.8	1974	1980	TCPL MATERIAL BALANCE
2.05	0.221	0.70	11 860	35	0.803	0.68	1 083.9	1959	1982	MATERIAL BALANCE
0.80	0.221	0.70	11 860	35	0.803	0.68	1 068.4	1959	1982	MATERIAL BALANCE
								1959	1982	TCPL CONCURRENT PRODUCTION
20.45	0.164	0.60	11 420	31	0.790	0.66	1 080.8	1981	1988	
3.58	0.177	0.65	8 720	59	0.867	0.66	1 429.4	1953	1985	TCPL PANALTA MATERIAL BALANCE
3.31	0.208	0.75	8 580	59	0.869	0.66	1 394.2	1973	1985	PANALTA TCPL MATERIAL BALANCE
1.36	0.198	0.55	7 420	35	0.868	0.61	931.0	1955	1984	
1.59	0.190	0.50	7 490	35	0.873	0.60	940.6	1955	1984	
3.05	0.230	0.55	7 380	29	0.870	0.60	965.0	1970	1983	
								1955	1984	SLPETRO TCPL
						0.67		1971	1986	TCPL TOP/BASE TVD
						0.71		1974	1987	TCPL
						0.92		1969	1988	CNG TCPL GAS CYCLING, CONING GAS CAP
9.43	0.146	0.90	27 170	77	0.845	0.92	2 684.1	1969	1988	CNG TCPL GAS CYCLING, CONING GAS CAP
6.70	0.143	0.65	27 060	81	0.863	0.85	2 649.9	1969	1987	A&S TCPL GAS CYCLING
						0.68		1969	1986	TCPL CNG MATERIAL BALANCE CONCURRENT PRODUCTION
10.25	0.132	0.85	14 000	62	0.810	0.68	1 970.8	1969	1986	TCPL CNG MATERIAL BALANCE CONCURRENT PRODUCTION
11.30	0.112	0.85	14 120	65	0.819	0.67	2 108.7	1970	1988	TCPL CNG
4.12	0.119	0.70	12 440	51	0.821	0.64	1 699.7	1971	1988	PROGAS TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
RICINUS 035-08W5 (CONTINUED)									
U CARDIUM 20-034-07	554	0.85	0.10	424		424	41	17 240	200
CARDIUM SD 06-036-08	452	0.80	0.10	326		326	41	13 353	128
CARDIUM AAA	909	0.85	0.10	696	8	688	41	28 408	200
VIKING A	637	0.75	0.10	430			39		529
VIKING A	1 329	0.75	0.10	897			39		1 433
VIKING A TOTAL	1 966	0.75	0.10	1 327	186	1 141	39	45 047	
VIKING C	477	0.80	0.10	344	15	329	40	13 078	200
VIKING #1THRUST32-032-07	606	0.80	0.10	437		437	39	16 855	200
FLT VIKING 01-033-07	566	0.80	0.10	408		408	39	16 006	200
D-3 A	11 668	0.40	0.40	2 800	1 254	1 546	37	57 650	1 561
D-3 B	2 246	0.85	0.45	1 050	156	894	37	33 293	442
OTHER	7 301			4 446	548	3 898		154 806	
TOTAL-RICINUS	43 663			25 402	3 353	22 049		879 998	
RICINUS WEST 036-10W5									
D-3 A	49 494	0.90	0.45	24 500	20 464	4 036	38	152 359	2 591
OTHER	433			334	254	80		3 161	
TOTAL-RICINUS WEST	49 927			24 834	20 718	4 116		155 520	
RINGS 080-05W6									
TOTAL-RINGS	101			72		72		2 644	
RIVERCOURSE 047-01W4									
TOTAL-RIVERCOURSE	582			409	70	339		11 753	
RIVIERE 055-27W4									
TOTAL-RIVIERE	258			171	11	160		6 325	
ROBIN (SA) 013-20W4									
TOTAL-ROBIN	242			167		167		6 092	
ROCHE (SA) 067-07W5									
TOTAL-ROCHE	57			36		36		1 392	
ROCHESTER 062-23W4									
TOTAL-ROCHESTER	849			559	124	435		16 192	
ROCKYFORD 026-23W4									
UPPER MANNVILLE A	396	0.85	0.10	303			40		596
LOWER MANNVILLE D	106	0.75	0.10	72			40		150
U MANN A & L MANN D TOTAL	502	0.85	0.10	375	225	150	40	5 951	
OTHER	1 118			712	61	651		25 659	
TOTAL-ROCKYFORD	1 620			1 087	286	801		31 610	
ROLLA 079-06W6									
TOTAL-ROLLA	138			95		95		3 614	
ROMEO 025-04W4									
TOTAL-ROMEO	380			256		256		9 645	
RONALANE 013-12W4									
TOTAL-RONALANE	68			50		50		1 783	
ROSEBUD 027-21W4									
TOTAL-ROSEBUD	110			75		75		2 906	
ROSEVEAR 054-15W5									
BEAVERHILL LAKE A	7 095	0.90	0.17	5 300	2 641	2 659	38	101 813	3 201
BEAVERHILL LAKE B	6 095	0.85	0.17	4 300	1 256	3 044	38	116 555	2 122
OTHER	245			156		156		6 174	
TOTAL-ROSEVEAR	13 435			9 756	3 897	5 859		224 542	
ROSSBEAR (SA) 094-14W5									
TOTAL-ROSSBEAR	10			6		6		220	
ROUSSEAU (SA) 090-01W6									
TOTAL-ROUSSEAU	10			6		6		224	
ROUTE 062-08W6									
TOTAL-ROUTE	78			52	9	43		1 711	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.24	0.144	0.85	26 900	78	0.890	0.70	2 566.5	1987	1988	TOP/BASE TVD
11.90	0.140	0.85	27 580	79	0.893	0.71	2 633.1	1984	1985	
16.70	0.130	0.85	26 570	77	0.877	0.71	2 594.4	1983	1988	
8.73	0.101	0.70	19 930	69	0.849	0.65	2 434.7	1972	1985	
7.24	0.090	0.75	19 930	74	0.861	0.64	2 334.0	1972	1988	
								1972	1988	PANALTA PROGAS TCPL PSR
14.40	0.110	0.75	20 450	75	0.832	0.73	2 759.1	1982	1988	CNG TOP/BASE TVD
20.80	0.100	0.75	20 500	74	0.865	0.66	2 793.1	1978	1988	PANALTA
16.10	0.098	0.90	20 650	76	0.844	0.71	2 860.9	1982	1988	CNG TOP/BASE TVD
35.15	0.076	0.90	40 610	108	0.973	0.79	4 200.4	1968	1984	A&S CNG TCPL PRODUCTION DECLINE
62.76	0.033	0.80	39 970	116	0.953	0.81	4 254.1	1972	1982	CNG TOP/BASE TVD
124.66	0.070	0.90	39 910	118	0.949	0.83	4 469.0	1969	1986	A&S CNG TCPL MATERIAL BALANCE
3.24	0.182	0.85	11 450	42	0.780	0.70	1 482.6	1970	1982	
4.00	0.210	0.70	10 670	42	0.801	0.67	1 492.3	1970	1985	
								1970	1985	TCPL
11.39	0.089	0.85	32 810	116	0.989	0.71	3 219.2	1971	1984	TCPL MATERIAL BALANCE
13.78	0.089	0.85	32 810	116	0.989	0.71	3 236.5	1974	1984	TCPL MATERIAL BALANCE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
ROWLEY 032-20W4									
BELLY RIVER A	558	0.65	0.05	345	294	51	37	1 888	1 002
PEKISKO A ASSOC		0.92	0.05				40		1 120
PEKISKO A ASSOC		0.92	0.05				40		1 503
PEKISKO A SOLN	613	0.65	0.05	378[b]			40		
PEKISKO A TOTAL	2 021	0.85	0.05	1 608[b]	1 164[b]	444	40	17 578	
OTHER	2 585			1 603	394	1 209		46 234	
TOTAL-ROWLEY	5 164			3 556	1 852	1 704		65 700	
ROXANA 078-19W5									
BELLOY A	550	0.70	0.10	347	1	346	38	13 141	2 758
OTHER	408			273		273		10 017	
TOTAL-ROXANA	958			620	1	619		23 158	
ROYAL 053-16W4									
TOTAL-ROYAL	1 585			999	111	888		33 155	
ROYCE 084-07W6									
WABAMUN 02-084-07	571	0.75	0.10	385		385	36	13 983	440
OTHER	260			187		187		6 753	
TOTAL-ROYCE	831			572		572		20 736	
RUBEN (SA) 083-03W5									
TOTAL-RUBEN	5			3		3		116	
RUMSEY 034-21W4									
TOTAL-RUMSEY	1 308			810	282	528		20 026	
RUNDLE 065-16W4									
TOTAL-RUNDLE	153			93	29	64		2 375	
RUSSET (SA) 120-22W5									
TOTAL-RUSSET	52			37		37		1 365	
RYAN (SA) 096-14W5									
TOTAL-RYAN	45			26		26		954	
RYCROFT 077-04W6									
TOTAL-RYCROFT	2 110			1 212	211	1 001		38 973	
SABBATH (SA) 106-12W6									
TOTAL-SABBATH	10			7		7		267	
SADDLE HILLS 076-08W6									
PADDY B	1 203	0.70	0.05	800	434	366	37	13 520	1 681
OTHER	2 182			1 341	202	1 139		43 430	
TOTAL-SADDLE HILLS	3 385			2 141	636	1 505		56 950	
SAKWATAMAU 063-14W5									
TOTAL-SAKWATAMAU	725			512		512		19 693	
SALESKI 086-18W4									
GROSMONT A	1 327	0.50	0.05	631	412	219	36	7 987	32 894
OTHER	523			321	156	165		6 032	
TOTAL-SALESKI	1 850			952	568	384		14 019	
SALTER 027-08W5									
RUNDLE A	3 581	0.70	0.25	1 880	3	1 877	37	70 312	1 780
TOTAL-SALTER	3 581			1 880	3	1 877		70 312	
SAMSON 044-24W4									
TOTAL-SAMSON	1 020			739	280	459		17 969	
SAND (SA) 068-08W4									
TOTAL-SAND	10			5		5		186	
SANDY 082-20W4									
TOTAL-SANDY	15			9	1	8		299	
SANGUDO 057-06W5									
TOTAL-SANGUDO	412			284	2	282		10 240	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
9.20	0.310	0.60	3 160	21	0.940	0.56	679.6	1964	1985	TCPL
2.31	0.153	0.90	10 130	50	0.826	0.67	1 335.8	1960	1988	MATERIAL BALANCE
3.69	0.074	0.80	10 240	50	0.824	0.67	1 348.8	1960	1988	MATERIAL BALANCE CONCURRENT PRODUCTION
						0.67		1960	1988	MATERIAL BALANCE CONCURRENT PRODUCTION
								1960	1988	CONCURRENT PRODUCTION
1.32	0.270	0.80	6 840	39	0.891	0.60	877.0	1974	1983	PROGAS
15.85	0.060	0.70	22 370	85	0.912	0.65	2 128.4	1974	1983	TCPL
6.09	0.150	0.60	7 020	52	0.901	0.62	1 215.9	1972	1988	CWNGNUL A&S PANALTA MATERIAL BALANCE
13.45	0.125	0.30	780	9	0.983	0.57	243.3	1977	1987	PANALTA PARAMT
21.20	0.051	0.75	26 900	75	0.886	0.68	2 669.1	1972	1987	PANALTA TCPL TOP/BASE TVD

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
SAPPHIRE (SA) 002-05W4									
TOTAL-SAPPHIRE	179			128		128		4 742	
SARAH 066-07W5									
TOTAL-SARAH	109			73		73		2 775	
SARCEE 023-04W5									
RUNDLE A	6 744	0.85	0.18	4 700	3 436	1 264	39	49 599	1 304
TOTAL-SARCEE	6 744			4 700	3 436	1 264		49 599	
SAUNDERS 040-13W5									
RUNDLE B	1 598	0.40	0.10	575	111	464	38	17 845	991
TURNER VALLEY 219-040-13	795	0.60	0.10	429		429	39	16 607	200
TOTAL-SAUNDERS	2 393			1 004	111	893		34 452	
SAVANNA CREEK 014-04W5									
RUNDLE A	6 860	0.80	0.20	4 390	2 826	1 564	38	58 759	4 048
TOTAL-SAVANNA CREEK	6 860			4 390	2 826	1 564		58 759	
SAWDY 069-22W4									
TOTAL-SAWDY	177			112	24	88		3 265	
SAXON 061-24W5									
TOTAL-SAXON	200			133		133		5 104	
SCANDIA 016-16W4									
TOTAL-SCANDIA	282			215	151	64		2 381	
SCULLY (SA) 100-20W5									
TOTAL-SCULLY	84			60		60		2 131	
SEAL 082-14W5									
TOTAL-SEAL	946			604		604		22 313	
SEDALIA 030-05W4									
BELLY RIVER A	1 300	0.50	0.05	618	596	22	37	809	6 424
BELLY RIVER D	552	0.60	0.05	314	272	42	37	1 544	2 451
VIKING C		0.73	0.08				37		10 633
VIKING E		0.73	0.08				37		4 329
VIKING C & E TOTAL	1 562	0.75	0.10	1 050	738	312	37	11 510	
VIKING A	374	0.70	0.08	241			37		7 515
VIKING F	5	0.70	0.08	4			37		200
UPPER MANNVILLE D	54	0.83	0.05	43			37		256
LOWER MANNVILLE B	240	0.40	0.05	91			37		1 294
VIK A&F, UMN D & LMN TOTAL	673	0.60	0.05	379	366	13	37	482	
OTHER	1 196			645	330	315		11 507	
TOTAL-SEDALIA	5 283			3 006	2 302	704		25 852	
SEDGEWICK 042-12W4									
BASAL MANNVILLE A	529	0.85	0.10	405			37		935
BASAL MANNVILLE B	66	0.70	0.10	41			36		150
BASAL MANNVILLE A & B TOTAL	595	0.85	0.10	446	354	92	37	3 387	
OTHER	394			275	19	256		9 351	
TOTAL-SEDGEWICK	989			721	373	348		12 738	
SEIU LAKE 025-18W4									
MEDICINE HAT A	856	0.70	0.03	581			36		12 401
SE ALTA GAS SYS (MU) TOTAL	856	0.70	0.05	581	-	581	36	21 189	
UPPER MANNVILLE A	1 491	0.85	0.10	1 140	484	656	39	25 866	5 003
OTHER	1 070			693	181	512		19 881	
TOTAL-SEIU LAKE	3 417			2 414	665	1 749		66 936	
SEXSMITH 074-06W6									
TOTAL-SEXSMITH	423			254	92	162		6 101	
SHADOW 074-17W5									
TOTAL-SHADOW	79			59		59		2 205	
SHANE 077-02W6									
TOTAL-SHANE	765			555	129	426		16 561	
SHANNON 026-06W4									
TOTAL-SHANNON	239			172	4	168		6 206	

10	11	12	13	14	15	16	17	18	19	20
AVERAGE PAY THICKNESS m	POROSITY frac	GAS SATN frac	INITIAL PRESSURE kPa	TEMP °C	COMPRESS frac	RAW GAS RELATIVE DENSITY frac	MEAN FORMATION DEPTH m	DISC YEAR	DATE LAST REVIEWED	DISPOSITION AND REMARKS
29.54	0.080	0.80	26 300	81	0.900	0.71	3 042.5	1954	1984	CWNGNUL MATERIAL BALANCE DEEP CUT SL
13.58	0.059	0.80	32 030	93	0.989	0.62	3 569.1	1976	1984	TCPL
31.92	0.062	0.80	35 580	115	1.039	0.62	3 989.8	1977	1984	TCPL
54.40	0.040	0.85	19 210	58	0.818	0.69	2 585.9	1954	1987	WCOAST MATERIAL BALANCE
3.26	0.342	0.70	1 370	7	0.969	0.56	194.1	1973	1985	CWNGNUL TCPL PANALTA PRODUCTION DECLINE
3.75	0.338	0.75	1 370	10	0.970	0.56	202.7	1975	1988	CWNGNUL PRODUCTION DECLINE
1.13	0.233	0.55	6 380	32	0.889	0.59	835.5	1954	1985	MATERIAL BALANCE
0.79	0.195	0.45	6 280	32	0.895	0.58	833.9	1958	1985	MATERIAL BALANCE
								1954	1985	MIP TCPL
1.64	0.226	0.30	6 570	32	0.892	0.57	748.4	1956	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
0.75	0.120	0.40	6 380	32	0.889	0.59	791.0	1957	1988	PART OF VIK POOL NO.5
2.44	0.220	0.50	7 330	31	0.872	0.59	801.6	1976	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
2.20	0.280	0.35	7 950	32	0.870	0.58	829.3	1968	1985	PART OF VIK POOL NO.5 PRODUCTION DECLINE
								1956	1985	MIP TCPL PART OF VIK POOL NO.5
3.34	0.301	0.80	6 740	35	0.884	0.63	897.3	1954	1968	
2.10	0.301	0.80	6 740	35	0.883	0.63	880.6	1958	1982	MATERIAL BALANCE
								1954	1969	TCPL
1.60	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	TCPL
2.21	0.190	0.65	9 720	38	0.814	0.65	1 325.9	1960	1986	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
SHAUNICY (SA) 006-03W4									
TOTAL-SHAUNICY	310			248		248		8 872	
SHAW 049-22W5									
SPRAY RIVER A	139	0.75	0.10	94			37		200
RUNDLE A	2 345	0.40	0.10	844			38		2 348
SPRAY RIV A&RUNDLE A TOTAL	2 484	0.40	0.10	938	226	712	38	27 042	
TOTAL-SHAW	2 484			938	226	712		27 042	
SHEKILIE 117-09W6									
SULPHUR POINT 08-119-07	419	0.85	0.15	303		303	36	10 884	64
KEG RIVER 11-118-08	944	0.80	0.25	566		566	43	24 202	64
OTHER	3 950			2 148	148	2 000		79 469	
TOTAL-SHEKILIE	5 313			3 017	148	2 869		114 555	
SHETLAND 106-10W6									
TOTAL-SHETLAND	50			36		36		1 304	
SHOULDICE 020-23W4									
MEDICINE HAT A	943	0.70	0.03	640			36		14 671
SE ALTA GAS SYS (MU) TOTAL	943	0.70	0.05	640		640	36	23 341	
GLAUCONITIC J SOLN	46	0.65	0.30	21[b]			40		
GLAUCONITIC J ASSOC	502	0.90	0.10	407[b]	94[b]	334	40	13 193	228
OTHER	1 537			980	90	890		35 140	
TOTAL-SHOULDICE	3 028			2 048	184	1 864		71 674	
SIBBALD 027-02W4									
VIKING A	1 039	0.80	0.05	789	679	110	37	4 036	3 985
OTHER	1 449			950	267	683		25 038	
TOTAL-SIBBALD	2 488			1 739	946	793		29 074	
SILER 057-07W4									
TOTAL-SILER	166			108	8	100		3 667	
SILVER 017-28W4									
TOTAL-SILVER	236			170		170		6 790	
SIMONETTE 063-26W5									
DUNVEGAN D	638	0.85	0.10	488	66	422	41	17 201	400
GETHING A	1 094	0.75	0.10	739	209	530	40	21 248	1 401
WABAMUN A	600	0.85	0.35	332	223	109	39	4 225	128
D-3 SOLN	9 706	0.34	0.50	1 650[b]			41		
D-3 ASSOC		0.80	0.25		1 537[b]	113	41	4 651	
OTHER	2 422			1 584	203	1 381		55 361	
TOTAL-SIMONETTE	14 460			4 793	2 238	2 555		102 686	
SIMONETTE NORTH (SA) 064-25W5									
TOTAL-SIMONETTE NORTH	35			23		23		889	
SINCLAIR 074-12W6									
PADDY A	4 170	0.90	0.15	3 190	2 774	416	41	16 894	3 437
PADDY B	1 625	0.80	0.10	1 170	700	470	41	19 035	2 654
PADDY D	484	0.80	0.10	348	40	308	40	12 449	1 714
FALHER A	2 852	0.85	0.15	2 060	1 093	967	40	38 960	11 200
CADOMIN A	4 621	0.70	0.15	2 750	45	2 705	38	102 384	13 738
DOIG A	14 815	0.75	0.10	10 000	1 567	8 433	38	319 358	7 758
OTHER	6 146			4 166	842	3 324		131 010	
TOTAL-SINCLAIR	34 713			23 684	7 061	16 623		640 090	
SIPHON (SA) 086-10W6									
TOTAL-SIPHON	26			19		19		713	
SKARO 057-19W4									
TOTAL-SKARO	28			19		19		727	
SKINNER 052-15W5									
BLUERIDGE A	1 799	0.85	0.15	1 300	74	1 226	39	47 324	3 338
TOTAL-SKINNER	1 799			1 300	74	1 226		47 324	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.40	0.090	0.90	32 680	99	1.008	0.62	3 920.5	1973	1986	PRODUCTION DECLINE TOP/BASE TVD
10.58	0.050	0.85	33 270	137	1.039	0.61	3 973.0	1973	1984	TOP/BASE TVD
								1973	1986	TCPL
60.13	0.098	0.85	13 710	66	0.879	0.67	1 639.5	1969	1969	
85.00	0.100	0.80	19 860	71	0.757	0.84	1 732.5	1983	1984	
1.49	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1988	PART OF MED HAT POOL NO.1
								1904	1988	
						0.67		1981	1988	CONING GAS CAP
8.20	0.222	0.80	13 330	45	0.788	0.67	1 648.2	1981	1988	CONING GAS CAP
2.38	0.221	0.70	6 880	31	0.886	0.58	763.5	1951	1973	TCPL CWNGNUL MATERIAL BALANCE
10.25	0.121	0.85	13 500	51	0.783	0.68	1 808.9	1983	1988	A&S
4.71	0.130	0.70	19 530	77	0.871	0.63	2 525.4	1970	1988	A&S
46.94	0.080	0.85	34 160	104	0.903	1.13	3 364.9	1959	1988	PRODUCTION DECLINE
						0.86		1958	1988	SECONDARY GAS CAP BEING PRODUCED
						0.86		1958	1988	SECONDARY GAS CAP BEING PRODUCED
6.59	0.149	0.80	12 700	60	0.816	0.67	1 666.1	1978	1986	PROGAS TCPL CEL MATERIAL BALANCE DEEP CUT SL
6.78	0.111	0.70	11 310	60	0.831	0.66	1 605.8	1978	1987	PROGAS TCPL
3.47	0.118	0.60	10 910	55	0.823	0.67	1 452.3	1978	1986	PANALTA PROGAS
3.14	0.079	0.60	14 150	65	0.827	0.66	1 825.8	1977	1986	PROGAS TCPL CEL MATERIAL BALANCE DEEP CUT SL
6.18	0.050	0.60	18 810	88	0.902	0.62	2 313.7	1956	1985	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
11.73	0.092	0.85	26 120	101	0.954	0.62	2 503.6	1977	1987	PANALTA PROGAS TCPL CWNGNUL CEL
3.70	0.068	0.75	30 460	104	0.966	0.68	3 023.6	1978	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
SLAVE 084-14W5									
TOTAL-SLAVE	879			547	10	537		18 773	
SMITH 071-25W4									
TOTAL-SMITH	558			348		348		13 040	
SMITH COULEE 004-11W4									
BOW ISLAND A	941	0.85	0.05	760	691	69	35	2 389	17 862
BOW ISLAND B	409	0.85	0.05	331	320	11	35	386	4 973
OTHER	112			76	14	62		2 076	
TOTAL-SMITH COULEE	1 462			1 167	1 025	142		4 851	
SMOKY (SA) 058-03W6									
TOTAL-SMOKY	156			112		112		4 384	
SMOKY HEIGHTS (SA) 074-02W6									
TOTAL-SMOKY HEIGHTS	88			59		59		2 210	
SNAKE (SA) 017-24W4									
TOTAL-SNAKE	27			20		20		761	
SNEDDON 080-10W6									
TOTAL-SNEDDON	298			208		208		7 857	
SNIPE LAKE 071-18W5									
TOTAL-SNIPE LAKE	1 835			294	257	37		1 450	
SNOWFALL (SA) 099-08W6									
TOTAL-SNOWFALL	247			177		177		7 034	
SOARS 059-02W4									
TOTAL-SOARS	188			117		117		4 269	
SORENSON 032-12W4									
TOTAL-SORENSON	503			355		355		13 661	
SOUNDING 030-09W4									
TOTAL-SOUNDING	1 099			731	350	381		14 437	
SOUSA 112-05W6									
BLUESKY A	1 854	0.50	0.05	881			36		22 387
BLUESKY A	5	0.65	0.05	3			36		200
BLUESKY A	9	0.65	0.05	6			36		200
BLUESKY A	6	0.65	0.05	4			36		200
BLUESKY A	26	0.65	0.05	16			36		200
BLUESKY A	10	0.65	0.05	7			36		200
BLUESKY A	5	0.65	0.05	3			36		200
BLUESKY A	5	0.65	0.05	3			36		200
BLUESKY A	8	0.65	0.05	5			38		200
BLUESKY A TOTAL	1 928	0.50	0.05	928	70	858	36	31 283	
OTHER	337			225		225		8 444	
TOTAL-SOUSA	2 265			1 153	70	1 083		39 727	
SPENCER 066-08W4									
TOTAL-SPENCER	45			26		26		953	
SPIERS 034-15W4									
TOTAL-SPIERS	1 000			647	241	406		14 851	
SPIRIT RIVER 078-07W6									
TOTAL-SPIRIT RIVER	1 983			1 069	29	1 040		40 238	
SPOTTER (SA) 056-22W5									
TOTAL-SPOTTER	484			288		288		10 742	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.97	0.207	0.70	4 340	19	0.921	0.59	625.8	1947	1984	CMG MATERIAL BALANCE
0.90	0.240	0.60	4 360	24	0.925	0.58	648.6	1967	1985	CMG MATERIAL BALANCE
3.56	0.210	0.40	2 690	19	0.946	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.00	0.210	0.40	2 690	19	0.946	0.59	244.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-6-112-1 W6M
2.00	0.210	0.40	2 690	19	0.946	0.59	232.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-21-112-1W6M
1.30	0.210	0.40	2 690	19	0.946	0.59	238.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-4-112-2 W6M
5.50	0.210	0.40	2 690	19	0.946	0.59	235.3	1972	1983	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-112-2 W6M
2.10	0.210	0.40	2 690	13	0.941	0.59	222.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-28-112-2 W6M
0.70	0.293	0.40	2 690	19	0.946	0.59	262.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-112-4 W6M
1.00	0.210	0.40	2 690	19	0.946	0.59	237.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-11-112-4 W6M
0.93	0.270	0.60	2 690	16	0.939	0.58	229.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-1-113-1 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
SPRUCE GROVE 052-27W4									
TOTAL-SPRUCE GROVE	91			64		64		2 444	
SPUR 072-02W5									
TOTAL-SPUR	686			469	155	314		11 683	
SPUTINA (SA) 096-24W4									
TOTAL-SPUTINA	172			109		109		3 919	
ST ALBERT-BIG LAKE 053-26W4									
OSTRACOD A	3 393	0.85	0.05	2 740	2 639	101	39	3 939	3 215
ST ALBERT BSL QTZ B	622	0.85	0.15	450		450	39	17 550	429
OTHER	617			316	19	297		11 537	
TOTAL-ST ALBERT-BIG LAKE	4 632			3 506	2 658	848		33 026	
ST PAUL 058-09W4									
UPPER MANNVILLE A	1 104	0.80	0.05	839	262	577	38	21 666	2 156
OTHER	1 145			623	146	477		17 657	
TOTAL-ST PAUL	2 249			1 462	408	1 054		39 323	
ST. ANNE 054-04W5									
TOTAL-ST. ANNE	586			380	87	293		11 453	
STANDARD 026-22W4									
VIKING A	761	0.90	0.10	616	94	522	39	20 217	1 703
OTHER	12			8		8		304	
TOTAL-STANDARD	773			624	94	530		20 521	
STANDISH (SA) 068-07W4									
TOTAL-STANDISH	7			4		4		149	
STANMORE 029-11W4									
VIKING A		0.70	0.05				38		7 712
VIKING B		0.70	0.05				38		2 383
VIKING A & B TOTAL	1 654	0.70	0.05	1 100	991	109	38	4 096	
UPPER MANNVILLE Z	941	0.85	0.05	760	641	119	39	4 639	2 753
OTHER	4 635			3 287	1 394	1 893		71 342	
TOTAL-STANMORE	7 230			5 147	3 026	2 121		80 077	
STEELE 066-25W4									
TOTAL-STEELE	2 714			1 740	820	920		34 565	
STEEN 108-01W6									
BLUESKY A	106	0.50	0.05	50			36		2 603
BLUESKY A	6	0.65	0.05	4			36		200
BLUESKY A	21	0.65	0.05	13			36		200
BLUESKY A	20	0.65	0.05	12			36		200
BLUESKY A	16	0.55	0.05	9			36		200
BLUESKY A	50	0.65	0.05	31			36		200
BLUESKY A	49	0.65	0.05	30			36		200
BLUESKY A	42	0.65	0.05	26			36		200
BLUESKY A	5	0.65	0.05	3			36		200
BLUESKY A	13	0.55	0.05	7			36		200
BLUESKY A	16	0.55	0.05	9			36		200
BLUESKY A	35	0.65	0.05	22			36		200
BLUESKY A	12	0.55	0.05	7			36		200
BLUESKY A	8	0.55	0.05	4			37		200
BLUESKY A	9	0.55	0.05	5			37		200

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.77	0.207	0.70	9 380	48	0.805	0.78	1 130.2	1953	1987	NORCEN PRODUCTION DECLINE
10.06	0.200	0.70	9 410	49	0.807	0.78	1 158.2	1952	1964	
2.36	0.300	0.60	3 280	16	0.931	0.57	477.9	1949	1985	LOC U PANALTA PWGE MATERIAL BALANCE
2.56	0.200	0.70	8 890	30	0.822	0.63	1 282.0	1956	1973	TCPL
2.97	0.267	0.60	7 310	33	0.872	0.60	874.5	1961	1982	MATERIAL BALANCE
1.49	0.267	0.60	7 310	33	0.872	0.60	881.8	1961	1982	MATERIAL BALANCE
								1961	1982	PROGAS SLPETRO TCPL
1.76	0.205	0.55	9 450	38	0.826	0.64	1 043.5	1970	1983	TCPL PRODUCTION DECLINE
1.91	0.210	0.40	2 480	19	0.950	0.59	335.3	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.210	0.40	2 480	16	0.948	0.59	232.3	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-8-107-21 W5M
6.10	0.170	0.40	2 480	16	0.948	0.59	229.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-20-107-21 W5M
4.57	0.210	0.40	2 480	16	0.948	0.59	241.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-3-107-22 W5M
3.81	0.200	0.40	2 480	16	0.948	0.59	255.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-11-107-23 W5M
11.19	0.217	0.40	2 480	18	0.949	0.59	292.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-21-107-24 W5M
10.67	0.210	0.40	2 660	19	0.946	0.59	345.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-107-1 W6M
9.75	0.210	0.40	2 480	18	0.949	0.59	308.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-13-107-1 W6M
1.22	0.210	0.40	2 480	15	0.947	0.59	222.1	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-8-108-21 W5M
3.05	0.210	0.40	2 480	18	0.949	0.59	298.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-32-108-24 W5M
3.66	0.210	0.40	2 480	17	0.948	0.59	285.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-36-108-24 W5M
8.23	0.210	0.40	2 480	17	0.948	0.59	292.9	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-12-108-1 W6M
2.70	0.210	0.40	2 480	16	0.948	0.59	273.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-16-109-23 W5M
1.80	0.210	0.40	2 480	17	0.948	0.58	282.4	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 11-20-109-23 W5M
2.10	0.210	0.40	2 480	17	0.949	0.58	313.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-32-109-24 W5M

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
STEEN 108-01W6 (CONTINUED)									
BLUESKY A	4	0.55	0.05	2			37		200
BLUESKY A	26	0.65	0.05	16			37		200
BLUESKY A	9	0.55	0.05	5			37		200
BLUESKY A	5	0.55	0.05	3			37		200
BLUESKY A	248	0.50	0.05	118			36		5 054
BLUESKY A TOTAL	700	0.55	0.05	376		376	36	13 713	
OTHER	23			15		15		563	
TOTAL-STEEN	723			391		391		14 276	
STEEP BANK (SA) 094-07W4									
TOTAL-STEEP BANK	69			33		33		1 229	
STETTLER 038-20W4									
TOTAL-STETTLER	1 273			380	247	133		5 181	
STETTLER NORTH 039-20W4									
LOWER MANNVILLE B	716	0.75	0.10	483	266	217	39	8 424	502
OTHER	269			134	16	118		4 569	
TOTAL-STETTLER NORTH	985			617	282	335		12 993	
STETTLER SOUTH 037-20W4									
TOTAL-STETTLER SOUTH	455			210	81	129		4 858	
STEVE 059-07W4									
TOTAL-STEVE	631			401	239	162		6 166	
STEWART 032-28W4									
TOTAL-STEWART	308			196		196		8 109	
STIMSON (SA) 015-02W5									
TOTAL-STIMSON	59			27		27		1 070	
STIRLING 007-19W4									
BOW ISLAND A	536	0.85	0.05	433	377	56	37	2 070	5 584
OTHER	19			10		10		349	
TOTAL-STIRLING	555			443	377	66		2 419	
STOLBERG 042-15W5									
RUNDLE A	2 708	0.50	0.10	1 220			39		1 021
RUNDLE B	4 178	0.50	0.10	1 880			39		2 779
RUNDLE C	552	0.50	0.15	235			39		440
RUNDLE D	1 570	0.50	0.15	667			39		1 794
RUNDLE A,B,C & D TOTAL	9 008	0.50	0.10	4 002	1 048	2 954	39	114 822	
RUNDLE E	1 047	0.45	0.10	424			39		440
RUNDLE F	803	0.45	0.10	325			39		335
RUNDLE G	565	0.50	0.15	241			39		440
RUNDLE E, F & G TOTAL	2 415	0.45	0.10	990	430	560	39	21 750	
OTHER	224			151		151		6 152	
TOTAL-STOLBERG	11 647			5 143	1 478	3 665		142 724	
STONY PLAIN (SA) 053-01W5									
TOTAL-STONY PLAIN	72			49		49		1 894	
STOWE (SA) 091-01W6									
TOTAL-STOWE	10			7		7		259	
STRACHAN 037-09W5									
GLAUCONITIC B	1 059	0.80	0.10	762	502	260	40	10 280	2 041
GLAUCONITIC D	606	0.80	0.05	461	137	324	39	12 707	1 056
D-3 A	40 741	0.90	0.25	27 500	23 273	4 227	39	165 614	1 973
D-3 B	540	0.90	0.20	389	326	63	38	2 391	645
D-3 C	2 833	0.60	0.20	1 360	1 082	278	39	10 767	712
OTHER	3 248			2 221	457	1 764		69 269	
TOTAL-STRACHAN	49 027			32 693	25 777	6 916		271 028	
STRATHMORE 024-25W4									
BELLY RIVER A	1 163	0.80	0.05	884	553	331	36	12 068	2 211

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
0.90	0.180	0.50	2 480	17	0.949	0.58	309.7	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-34-109-24 W5M
4.30	0.240	0.50	2 480	18	0.950	0.58	316.5	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-23-109-1 W6M
1.52	0.240	0.50	2 480	17	0.949	0.58	301.6	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 6-30-110-23 W5M
1.20	0.210	0.40	2 480	17	0.949	0.58	297.8	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 7-22-110-24 W5M
1.87	0.200	0.50	2 480	11	0.945	0.59	209.8	1972	1985	PART OF BLSKY POOL NO.1
						0.59		1972	1982	TCPL PART OF BLSKY POOL NO.1
4.71	0.213	0.75	9 600	54	0.865	0.65	1 340.0	1975	1985	LOC U PWGE TCPL MATERIAL BALANCE NONCOMMERCIAL OIL
2.62	0.204	0.65	3 360	27	0.940	0.56	781.5	1957	1986	CWNGNUL PRODUCTION DECLINE
24.06	0.050	0.85	31 830	107	0.995	0.63	3 252.0	1957	1984	
15.80	0.047	0.85	32 470	112	1.007	0.64	3 802.0	1957	1984	
13.10	0.047	0.85	33 290	117	1.013	0.65	4 115.6	1957	1984	TOP/BASE TVD
8.94	0.048	0.85	33 400	117	1.015	0.64	3 961.5	1974	1984	TOP/BASE TVD
								1957	1984	PANALTA TCPL
21.30	0.052	0.85	31 770	91	0.982	0.63	3 386.0	1976	1984	
19.27	0.058	0.85	32 310	94	0.992	0.62	3 769.0	1976	1984	
12.60	0.050	0.85	33 400	117	1.015	0.64	3 982.5	1974	1984	
								1976	1984	TCPL PANALTA
4.18	0.071	0.70	32 110	99	0.983	0.65	3 000.2	1981	1985	CNG PROGAS TCPL
3.63	0.091	0.70	31 920	98	0.985	0.64	2 949.5	1972	1984	CNG TCPL
115.81	0.077	0.90	49 300	124	1.151	0.76	4 110.2	1967	1986	CNG TCPL MATERIAL BALANCE TOP/BASE TVD
51.51	0.031	0.80	49 190	124	1.162	0.63	4 098.0	1969	1987	CNG MATERIAL BALANCE TOP/BASE TVD
25.01	0.073	0.80	31 410	116	0.964	0.75	3 712.5	1972	1987	TCPL
3.53	0.280	0.60	3 210	29	0.944	0.57	895.7	1962	1987	CWNGNUL PRODUCTION DECLINE

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
STRATHMORE 024-25W4 (CONTINUED)									
BELLY RIVER E	865	0.50	0.05	411	232	179	37	6 546	440
OTHER	4 434			2 331	1 317	1 014		37 734	
TOTAL-STRATHMORE	6 462			3 626	2 102	1 524		56 348	
STROME 044-16W4									
MANNVILLE G	779	0.75	0.05	555	89	466	37	17 139	1 148
OTHER	2 785			1 787	445	1 342		50 978	
TOTAL-STROME	3 564			2 342	534	1 808		68 117	
STRY 058-13W4									
UPPER MANNVILLE A	1 000	0.70	0.05	665	226	439	37	16 419	4 115
OTHER	1 859			1 161	345	816		30 431	
TOTAL-STRY	2 859			1 826	571	1 255		46 850	
STURGEON LAKE 071-23W5									
TOTAL-STURGEON LAKE	1 939			573	76	497		18 718	
STURGEON LAKE SOUTH 069-22W5									
D-3 SOLN	8 967	0.55	0.45	2 713	2 210	503	37	18 702	
OTHER	3 278			1 819	168	1 651		63 474	
TOTAL-STURGEON LAKE SOUTH	12 245			4 532	2 378	2 154		82 176	
SUFFIELD 018-06W4									
MILK RIVER A	31 127	0.70	0.05	20 700			36		246 312
MEDICINE HAT A	16 494	0.70	0.03	11 200			36		224 904
MEDICINE HAT C	1 740	0.50	0.03	844			36		57 266
MEDICINE HAT D	2 062	0.50	0.03	1 000			36		46 656
SECOND WHITE SPECKS A	15 860	0.75	0.05	11 300			36		153 056
SE ALTA GAS SYS(MU) TOTAL	67 283	0.70	0.05	45 044	18 351	26 693	36	973 494	
BOW ISLAND N	669	0.80	0.05	508	280	228	36	8 199	2 221
BOW ISLAND C	409	0.80	0.05	311	5	306	36	11 025	1 838
UPPER MANNVILLE A ASSOC	491	0.85	0.05	396			36		711
UPPER MANNVILLE A ASSOC	402	0.85	0.05	325			36		525
UPPER MANNVILLE A ASSOC	30	0.75	0.05	22			36		150
UPPER MANNVILLE A TOTAL	923	0.85	0.05	743	169	574	36	20 624	
UPPER MANNVILLE I	1 609	0.85	0.05	1 300	978	322	36	11 499	1 495
OTHER	3 303			2 307	524	1 783		64 221	
TOTAL-SUFFIELD	74 196			50 213	20 307	29 906		1 089 062	
SUGDEN 062-10W4									
VIKING A	6 737	0.40	0.05	2 560	13	2 547	37	95 385	96 893
COLONY D	679	0.75	0.05	484	324	160	37	5 976	3 014
COLONY S	618	0.60	0.05	352	163	189	37	6 933	1 813
GRAND RAPIDS A	484	0.80	0.05	368			37		4 880
GRAND RAPIDS O	48	0.65	0.05	29			37		200
GRAND RAPIDS A & O TOTAL	532	0.80	0.05	397	81	316	37	11 572	
MCMURRAY C	640	0.65	0.05	395	245	150	37	5 565	800
OTHER	5 288			3 349	1 184	2 165		80 791	
TOTAL-SUGDEN	14 494			7 537	2 010	5 527		206 222	
SULLIVAN LAKE 035-13W4									
BELLY RIVER A	627	0.75	0.05	447			37		2 085
BELLY RIVER B	52	0.70	0.05	34			37		487
BELLY RIVER A & B TOTAL	679	0.75	0.05	481	342	139	37	5 140	
OTHER	1 694			979	426	553		20 913	
TOTAL-SULLIVAN LAKE	2 373			1 460	768	692		26 053	
SUNBURST (SA) 001-18W4									
TOTAL-SUNBURST	8			4		4		146	
SUNCHILD 043-11W5									
ELKTON-SHUNDA A	45	0.75	0.10	31			38		128
ELKTON-SHUNDA A	833	0.85	0.15	602			39		2 157
ELKTON-SHUNDA A	586	0.85	0.15	423			39		1 468
ELKTON-SHUNDA A TOTAL	1 464	0.85	0.15	1 056	205	851	39	33 104	
OTHER	156			106	28	78		3 038	
TOTAL-SUNCHILD	1 620			1 162	233	929		36 142	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.63	0.230	0.70	3 150	30	0.946	0.57	894.6	1976	1985	CWNGNUL MATERIAL BALANCE
5.83	0.230	0.70	7 170	44	0.890	0.62	1 042.6	1980	1987	A&S TCPL
2.95	0.327	0.60	4 050	24	0.924	0.56	615.9	1970	1987	MIP TCPL
						0.77		1955	1987	A&S
4.99	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1983	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
1.70	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1982	PART OF MED HAT POOL NO.1
0.77	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.3
1.12	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1987	PART OF MED HAT POOL NO.4
1.34	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1987	PART OF 2WS POOL NO.1
								1904	1986	CWNGNUL PANALTA TCPL
2.33	0.263	0.60	7 550	27	0.873	0.59	817.6	1970	1983	PANALTA
1.84	0.234	0.70	6 890	27	0.884	0.58	718.1	1955	1978	TCPL PART OF BOW ISL POOL NO.1
3.51	0.217	0.80	10 240	30	0.849	0.59	940.2	1976	1984	
3.46	0.244	0.80	10 240	30	0.849	0.59	940.2	1976	1988	
1.22	0.240	0.60	10 180	31	0.841	0.61	927.8	1976	1988	ASSIGNED WELL 4-02-020-07 W4M
								1976	1984	PANALTA CONCURRENT PRODUCTION
3.70	0.226	0.75	10 520	33	0.850	0.60	981.7	1974	1988	PANALTA MATERIAL BALANCE
1.48	0.270	0.55	3 040	18	0.939	0.56	319.0	1949	1988	CWNGNUL KANNGAZ MIP PANALTA PROGAS TCPL PWGE PART OF VIK POOL NO.6
3.44	0.300	0.75	2 550	13	0.945	0.57	315.7	1973	1987	MIP PANALTA MATERIAL BALANCE
5.07	0.296	0.75	2 930	19	0.943	0.56	378.3	1978	1985	PANALTA
2.12	0.300	0.60	2 540	19	0.951	0.57	339.5	1971	1985	
3.96	0.300	0.75	2 590	18	0.948	0.56	320.5	1977	1983	
								1971	1983	PANALTA PROGAS TCPL MIP KANNGAZ
2.09	0.300	0.70	3 340	23	0.938	0.56	450.1	1974	1986	MIP PANALTA KANNGAZ PRODUCTION DECLINE
4.96	0.339	0.55	3 100	16	0.938	0.56	437.5	1967	1987	
2.49	0.270	0.50	3 050	16	0.939	0.56	420.9	1976	1987	
								1967	1987	TCPL
2.44	0.080	0.85	26 100	104	0.926	0.73	2 899.0	1964	1987	
2.92	0.086	0.80	24 210	108	0.940	0.65	2 931.1	1969	1987	
1.95	0.120	0.85	26 100	113	0.958	0.65	2 922.4	1969	1977	
								1969	1987	TCPL

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
SUNDANCE 054-21W5									
VIKING A	2 760	0.90	0.05	2 360	1 510	850	40	33 762	2 554
OTHER	414			281	74	207		8 329	
TOTAL-SUNDANCE	3 174			2 641	1 584	1 057		42 091	
SUNDRE 034-05W5									
RUNDLE A SOLN	1 913	0.46	0.50	440[b]			41		
RUNDLE A ASSOC	204	0.75	0.15	130[b]	434[b]	136	41	5 573	610
OTHER	1 641			821	163	658		26 798	
TOTAL-SUNDRE	3 758			1 391	597	794		32 371	
SUNNYNOOK 026-11W4									
BASAL MANNVILLE I	558	0.85	0.05	450	50	400	38	15 020	300
BASAL MANNVILLE J	613	0.90	0.05	524	96	428	38	16 114	964
OTHER	1 890			1 347	287	1 060		39 515	
TOTAL-SUNNYNOOK	3 061			2 321	433	1 888		70 649	
SUNSET 069-19W5									
TOTAL-SUNSET	174			121	7	114		4 401	
SUPERBA 026-03W4									
TOTAL-SUPERBA	387			261	36	225		8 275	
SURRETTE (SA) 097-16W5									
TOTAL-SURRETTE	523			312		312		11 063	
SUTTON 091-03W6									
GETHING 092-03	679	0.80	0.05	516		516	37	19 340	2 162
OTHER	327			205		205		7 414	
TOTAL-SUTTON	1 006			721		721		26 754	
SWALWELL 029-24W4									
VIKING A	912	0.80	0.10	657	644	13	39	509	4 644
PEKISKO A SOLN	120	0.60	0.10	65[b]			40		
PEKISKO A ASSOC	457	0.70	0.10	288[b]	285[b]	68	40	2 719	1 680
OTHER	2 028			1 127	242	885		33 369	
TOTAL-SWALWELL	3 517			2 137	1 171	966		36 597	
SWAN HILLS 068-10W5									
BEAVERHILL LAKE C SOLN	7 601	0.36	0.60	1 094	394	700	41	28 616	
BEAVERHILL LAKE A ASSOC		0.70	0.35				42		
BEAVERHILL LAKE A SOLN	29 000	0.42	0.35	7 917			42		
BEAVERHILL LAKE A&B TOTAL	29 000	0.40	0.35	7 917	6 137	1 780	42	75 205	
OTHER	220			131		131		5 027	
TOTAL-SWAN HILLS	36 821			9 142	6 531	2 611		108 848	
SWAN HILLS SOUTH 065-10W5									
BEAVERHILL LAKE A ASSOC		0.65	0.25				44		
BEAVERHILL LAKE A SOLN	15 232	0.64	0.35	6 336[b]			44		
BEAVERHILL LAKE A&B TOTAL	15 232	0.65	0.35	6 336[b]	5 062[b]	1 274	44	55 610	
OTHER	38			24		24		932	
TOTAL-SWAN HILLS SOUTH	15 270			6 360	5 062	1 298		56 542	
SWEETGRASS 001-15W4									
TOTAL-SWEETGRASS	63			45	16	29		1 071	
SWIMMING 052-06W4									
TOTAL-SWIMMING	617			423	41	382		13 929	
SYLVAN LAKE 037-03W5									
GLAUCONITIC A		0.85	0.10				40		5 287
LOWER MANNVILLE O		0.85	0.10				40		200
SHUNDA A		0.85	0.10				40		242
GLAUC A,SHUN A&L MN O TOTAL	8 000	0.85	0.10	6 120	5 154	966	40	38 370	
GLAUCONITIC I	8	0.75	0.10	5			41		150
LOWER MANNVILLE X	67	0.75	0.10	45			39		300
LOWER MANNVILLE DD	2 131	0.80	0.12	1 500			40		3 172
BASAL QUARTZ A SOLN	577	0.75	0.40	260			40		
GLC I,L MN X,DD&BQ A TOTAL	2 783	0.80	0.20	1 810	371	1 439	40	57 301	
LOWER MANNVILLE A	1 474	0.85	0.09	1 140	840	300	39	11 796	1 144
LOWER MANNVILLE C	1 333	0.90	0.15	1 020	336	684	40	27 093	810

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.52	0.145	0.80	30 430	96	0.961	0.66	2 732.4	1971	1986	PANALTA MATERIAL BALANCE
						0.71		1955	1986	A&S GAS BREAKTHROUGH
1.81	0.102	0.80	24 930	82	0.881	0.71	2 733.9	1955	1986	A&S GAS BREAKTHROUGH
8.40	0.283	0.80	9 650	48	0.874	0.58	1 040.9	1985	1987	NONCOMMERCIAL OIL
3.41	0.266	0.65	9 960	35	0.853	0.57	1 042.4	1985	1988	
5.73	0.213	0.45	5 640	35	0.910	0.56	772.6	1972	1982	PANALTA
1.94	0.154	0.55	8 070	39	0.843	0.65	1 400.9	1963	1984	A&S TCPL PRODUCTION DECLINE
						0.66		1963	1988	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
6.02	0.068	0.70	10 940	59	0.836	0.66	1 632.4	1963	1988	A&S TCPL PRODUCTION DECLINE CONCURRENT PRODUCTION
						0.82		1958	1988	CWNGNUL PANALTA
						0.93		1957	1988	MU - BEAVERHILL LAKE A&B
						0.93		1957	1988	MU - BEAVERHILL LAKE A&B
								1957	1988	CWNGNUL PANALTA
						0.87		1959	1988	MU-BEAVERHILL LK A&B, DRY GAS BKTHROU
						0.87		1959	1988	MU-BEAVERHILL LK A&B, DRY GAS BKTHROU
								1959	1988	CWNGNUL DRY GAS BREAKTHROUGH
8.02	0.132	0.70	16 780	70	0.818	0.71	2 119.0	1953	1985	MATERIAL BALANCE
3.66	0.120	0.75	8 550	64	0.858	0.71	2 119.3	1976	1985	MATERIAL BALANCE
3.19	0.132	0.70	16 780	70	0.818	0.71	2 091.7	1953	1985	MATERIAL BALANCE
								1953	1985	A&S TCPL PROGAS
0.50	0.095	0.65	17 130	75	0.828	0.68	2 369.8	1988	1988	
1.65	0.105	0.75	17 150	73	0.826	0.72	2 419.4	1987	1988	
3.25	0.130	0.80	20 340	71	0.846	0.68	2 409.5	1963	1988	
						0.73		1963	1986	
								1963	1988	TCPL PANALTA
5.39	0.129	0.70	16 900	66	0.818	0.70	2 179.9	1955	1985	TCPL PRODUCTION DECLINE
4.41	0.119	0.75	16 920	66	0.801	0.73	2 203.2	1953	1987	A&S TCPL PRODUCTION DECLINE

TABLE 4-5

	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	AREA ha
SYLVAN LAKE 037-03W5 (CONTINUED)									
LOWER MANNVILLE D	367	0.90	0.06	310	139	171	40	6 799	354
LOWER MANNVILLE H	834	0.85	0.10	638	246	392	39	15 468	581
OSTRACOD J	24	0.75	0.10	16			40		200
OSTRACOD K	1 144	0.85	0.10	875			40		4 099
OSTRACOD N	380	0.85	0.10	291			40		400
OSTRACOD O	15	0.75	0.10	10			40		128
LOWER MANNVILLE BB	317	0.85	0.10	242			40		612
OST JKNO &LMANN BB TOTAL	1 880	0.85	0.10	1 434	219	1 215	40	48 491	
JURASSIC A SOLN	455	0.65	0.20	237[b]			39		
JURASSIC A ASSOC	753	0.90	0.10	610[b]	134[b]	713	39	27 750	838
ELKTON-SHUNDA A	1 469	0.90	0.10	1 190	1 175	15	40	601	1 416
ELKTON-SHUNDA B	1 150	0.85	0.10	880	822	58	40	2 312	829
SHUNDA B	682	0.90	0.10	553		553	39	21 783	852
PEKISKO B SOLN	731	0.60	0.20	351	333	18	38	691	
PEKISKO B ASSOC	501	0.90	0.10	406		406	38	15 594	512
PEKISKO I	460	0.80	0.15	313	69	244	39	9 557	416
PEKISKO N	1 349	0.85	0.05	1 090	884	206	40	8 244	690
D-3 A SOLN	424	0.65	0.45	152[b]			39		
D-3 A ASSOC	1 162	0.90	0.11	931[b]	296[b]	787	39	30 709	728
OTHER	10 121			6 246	1 508	4 738		189 158	
TOTAL-SYLVAN LAKE	35 928			25 431	12 526	12 905		511 717	
TABER 009-17W4									
TOTAL-TABER	647			438	46	392		14 176	
TABER NORTH 011-16W4									
TOTAL-TABER NORTH	405			94	19	75		2 774	
TABER SOUTH 007-16W4									
BOW ISLAND A	874	0.90	0.05	748	219	529	35	18 520	8 774
OTHER	232			170	94	76		2 601	
TOTAL-TABER SOUTH	1 106			918	313	605		21 121	
TANGENT 080-24W5									
TOTAL-TANGENT	3 785			2 430	417	2 013		75 895	
TAR (SA) 099-13W4									
TOTAL-TAR	52			32		32		1 206	
TARA (SA) 076-20W4									
TOTAL-TARA	10			6		6		223	
TATE (SA) 120-03W6									
TOTAL-TATE	76			49		49		1 865	
TAWATINAW 062-22W4									
TOTAL-TAWATINAW	101			42	24	18		675	
TEEPEE 073-03W6									
DOIG A	891	0.70	0.10	562	47	515	39	20 260	1 568
KISKATINAW 02-074-04	415	0.85	0.10	318		318	38	12 141	440
WABAMUN C	2 465	0.17	0.15	356	313	43	37	1 583	1 276
OTHER	306			220	130	90		3 489	
TOTAL-TEEPEE	4 077			1 456	490	966		37 473	
TELFORDVILLE (SA) 050-02W5									
TOTAL-TELFORDVILLE	407			281		281		11 018	
TEMPLETON 001-12W4									
TOTAL-TEMPLETON	219			151		151		5 542	
THERIEN 060-09W4									
UPPER MANNVILLE F	656	0.75	0.05	468	67	401	37	14 869	2 101
OTHER	2 151			1 240	275	965		35 596	
TOTAL-THERIEN	2 807			1 708	342	1 366		50 465	
THIRD (SA) 021-27W4									
TOTAL-THIRD	180			122		122		4 698	
THORHILD 059-21W4									
SECOND WHITE SPECKS A	465	0.85	0.05	375	203	172	36	6 223	10 331

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
4.24	0.129	0.70	16 620	63	0.791	0.74	2 119.2	1960	1981	A&S TCPL MATERIAL BALANCE
7.08	0.130	0.90	16 830	64	0.819	0.69	2 113.0	1973	1979	A&S TCPL
0.90	0.120	0.60	18 650	70	0.821	0.71	2 349.6	1969	1988	PROGAS TCPL NONCOMMERCIAL OIL
1.77	0.118	0.70	18 600	70	0.808	0.74	2 355.3	1969	1988	PROGAS TCPL
4.40	0.143	0.80	18 680	65	0.832	0.67	2 386.4	1980	1988	A&S TCPL PROGAS
0.60	0.150	0.70	19 040	72	0.827	0.71	2 332.3	1972	1988	
3.53	0.104	0.70	19 420	66	0.809	0.73	2 420.6	1980	1988	PROGAS
								1969	1988	
						0.68		1962	1987	A&S TCPL CONCURRENT PRODUCTION
5.39	0.140	0.70	17 230	71	0.837	0.68	2 259.5	1962	1987	A&S TCPL CONCURRENT PRODUCTION
5.97	0.071	0.75	16 720	66	0.800	0.73	2 167.7	1955	1982	A&S TCPL MATERIAL BALANCE
12.58	0.134	0.75	17 030	71	0.817	0.72	2 146.1	1973	1982	A&S MATERIAL BALANCE
6.43	0.095	0.75	16 890	66	0.811	0.72	2 189.7	1953	1975	TCPL
						0.71		1953	1976	TCPL
5.47	0.138	0.75	16 960	66	0.823	0.71	2 801.0	1953	1976	TCPL
8.73	0.097	0.75	17 790	69	0.849	0.69	2 290.1	1963	1986	TCPL
12.30	0.090	0.80	17 070	71	0.807	0.74	2 196.1	1973	1982	A&S MATERIAL BALANCE
						0.79		1961	1979	A&S TCPL CONCURRENT PRODUCTION
12.59	0.072	0.85	23 920	99	0.883	0.79	2 865.4	1961	1979	A&S TCPL CONCURRENT PRODUCTION
1.98	0.210	0.65	3 610	24	0.938	0.58	702.4	1958	1983	CWNGNUL
3.23	0.129	0.80	14 920	44	0.785	0.66	1 564.7	1972	1982	TCPL
2.78	0.250	0.70	18 320	50	0.832	0.63	1 926.0	1973	1973	
16.50	0.060	0.80	29 300	85	0.953	0.66	2 762.8	1972	1988	TCPL PRODUCTION DECLINE
5.23	0.306	0.65	2 690	21	0.949	0.56	363.2	1976	1983	MIP PANALTA PROGAS TCPL CWNGNUL
1.08	0.203	0.50	3 860	16	0.924	0.57	481.1	1964	1986	TCPL PANALTA

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 NET CUMULATIVE PRODUCTION 10⁶m³	6 REMAINING ESTABLISHED RESERVES 10⁶m³	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
THORHILD 059-21W4 (CONTINUED)									
OTHER	1 396			883	291	592		22 088	
TOTAL-THORHILD	1 861			1 258	494	764		28 311	
THORNBURY 078-13W4									
MCMURRAY G	646	0.70	0.05	429	260	169	37	6 304	1 104
MCMURRAY I	1 053	0.80	0.05	800	248	552	37	20 314	1 042
MCMURRAY M	468	0.75	0.05	333	169	164	37	6 096	613
OTHER	2 194			1 317	484	833		30 760	
TOTAL-THORNBURY	4 361			2 879	1 161	1 718		63 474	
THORSBY 049-01W5									
GLAUCONITIC E	1 279	0.80	0.10	921	45	876	41	35 644	938
OTHER	3 018			1 819	243	1 576		62 582	
TOTAL-THORSBY	4 297			2 740	288	2 452		98 226	
THREE HILLS CREEK 035-25W4									
PEKISKO ASSOC	5 434	0.70	0.08	3 500	2 022	1 478	40	58 795	13 344
OTHER	1 146			686	76	610		22 146	
TOTAL-THREE HILLS CREEK	6 580			4 186	2 098	2 088		80 941	
THUNDER 060-06W5									
TOTAL-THUNDER	147			96		96		3 686	
TIELAND 067-04W5									
TOTAL-TIELAND	47			30		30		1 160	
TIMEU 063-03W5									
TOTAL-TIMEU	181			123		123		4 676	
TINDASTOLL 036-01W5									
PEKISKO 22-036-01	448	0.75	0.10	302		302	39	11 823	440
OTHER	343			186	9	177		7 007	
TOTAL-TINDASTOLL	791			488	9	479		18 830	
TODD (SA) 009-02W5									
TOTAL-TODD	79			49		49		1 878	
TOFIELD 050-19W4									
TOTAL-TOFIELD	360			234	30	204		7 475	
TOLSTAD (SA) 069-04W6									
TOTAL-TOLSTAD	318			227		227		8 992	
TOMAHAWK 052-05W5									
TOTAL-TOMAHAWK	90			63		63		2 382	
TOMATO 072-23W4									
TOTAL-TOMATO	378			223	114	109		4 106	
TONY CREEK NORTH 064-21W5									
TOTAL-TONY CREEK NORTH	812			544	53	491		19 314	
TOOGA (SA) 116-10W6									
TOTAL-TOOGA	30			13		13		489	
TORRINGTON 032-27W4									
TOTAL-TORRINGTON	22			13		13		488	
TOUCHWOOD (SA) 068-09W4									
TOTAL-TOUCHWOOD	12			8		8		297	
TRACY (SA) 095-12W5									
TOTAL-TRACY	20			10		10		368	
TROCHU 033-22W4									
TOTAL-TROCHU	1 934			1 207	444	763		29 200	
TUCKER LAKE (SA) 064-05W4									
TOTAL-TUCKER LAKE	2			1		1		37	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
8.08	0.310	0.55	1 910	25	0.965	0.55	471.4	1983	1988	PRODUCTION DECLINE
8.76	0.340	0.60	1 800	20	0.965	0.56	473.5	1984	1988	MATERIAL BALANCE
6.17	0.321	0.70	1 750	25	0.968	0.56	460.9	1985	1988	PRODUCTION DECLINE
11.29	0.133	0.70	12 560	64	0.817	0.69	1 464.8	1981	1988	SLPETRO
9.75	0.054	0.65	11 840	70	0.828	0.72	1 757.5	1953	1984	PANALTA TCPL MATERIAL BALANCE CONCURRENT PRODUCTION, OIL DEPLETED
8.02	0.097	0.75	16 550	83	0.803	0.72	2 070.8	1970	1983	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
TURIN 010-18W4									
TOTAL-TURIN	3 885			2 431	646	1 785		65 406	
TURNER VALLEY 020-03W5									
RUNDLE SOLN	38 429	0.55	0.56	9 300	8 992	308	40	12 452	
RUNDLE ASSOC	42 063	0.90	0.72	10 600	10 414	186	40	7 520	
RUNDLE 32-021-03	413	0.85	0.10	316		316	40	12 697	440
TURNER VALLEY 33-020-03	591	0.80	0.15	402		402	40	16 004	200
OTHER	1 395			796	445	351		14 253	
TOTAL-TURNER VALLEY	82 891			21 414	19 851	1 563		62 926	
TWEEDIE 069-13W4									
VIKING B	711	0.65	0.05	439	336	103	37	3 790	7 201
GRAND RAPIDS D	1 184	0.70	0.05	788	707	81	37	3 002	7 054
GLAUCONITIC A		0.85	0.05				37		6 579
GLAUCONITIC D		0.65	0.05				37		2 450
MCMURRAY A		0.85	0.05				37		4 590
GLAUC A,D&MCMURRAY A TOTAL	1 250	0.80	0.05	950	739	211	37	7 811	
GLAUCONITIC B		0.75	0.05				37		8 601
MCMURRAY H		0.70	0.05				37		3 649
GLAUC B & MCMURRAY H TOTAL	1 423	0.75	0.05	1 000	655	345	37	12 765	
MCMURRAY B	453	0.75	0.05	323	238	85	37	3 144	1 525
MCMURRAY L	582	0.70	0.05	387	178	209	37	7 710	8 846
GROSMONT A	1 201	0.70	0.05	799	791	8	37	295	11 154
OTHER	3 144			1 937	831	1 106		40 994	
TOTAL-TWEEDIE	9 948			6 623	4 475	2 148		79 511	
TWINING 031-24W4									
VIKING A	643	0.80	0.10	463	207	256	39	10 028	4 404
LOWER MANNVILLE A ASSOC	425	0.75	0.10	287[b]			40		1 714
RUNDLE A ASSOC	8 000	0.75	0.10	5 400[b]			40		26 342
RUNDLE A SOLN	7 227	0.70	0.15	4 300[b]			40		
L MANN A & RUNDLE A TOTAL	15 652	0.75	0.10	9 987[b]	4 064[b]	5 923	40	236 091	
OTHER	5 597			3 131	995	2 136		83 213	
TOTAL-TWINING	21 892			13 581	5 266	8 315		329 332	
TWO CREEK (SA) 063-16W5									
TOTAL-TWO CREEK	202			124		124		4 959	
UKALTA 057-17W4									
COLONY F	552	0.80	0.05	420	131	289	38	10 898	2 514
WABAMUN-GRAMINIA A	880	0.75	0.05	627	581	46	37	1 709	2 833
OTHER	3 818			2 364	437	1 927		72 111	
TOTAL-UKALTA	5 250			3 411	1 149	2 262		84 718	
UNWIN 045-02W4									
TOTAL-UNWIN	257			172		172		6 325	
UTIKUMA LAKE 081-09W5									
KEG RIVER SAND A SOLN	1 105	0.70	0.55	348	265	83	36	3 025	
OTHER	948			473	94	379		14 163	
TOTAL-UTIKUMA LAKE	2 053			821	359	462		17 188	
VALHALLA 075-10W6									
DOE CREEK A	3 948	0.80	0.05	3 000	999	2 001	39	79 019	23 372
DOE CREEK I ASSOC	51	0.60	0.10	28			39		400
DOE CREEK I SOLN	594	0.47	0.05	265			39		
DOE CREEK I ASSOC	37	0.60	0.10	20			39		200
DOE CREEK I TOTAL	682	0.50	0.05	313	37	276	39	10 670	
GETHING F	619	0.85	0.05	500	311	189	39	7 413	2 036
HALFWAY A	1 028	0.75	0.10	694		694	38	26 670	1 934
HALFWAY B ASSOC	5 401	c	c	3 900	84	3 816	40	152 640	6 056
OTHER	7 103			4 552	584	3 968		155 154	
TOTAL-VALHALLA	18 781			12 959	2 015	10 944		431 566	
VALLEYVIEW 070-21W5									
TOTAL-VALLEYVIEW	97			64		64		2 470	
VARDIE (SA) 115-08W6									
TOTAL-VARDIE	19			13		13		490	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.80		1924	1988	PANALTA MATERIAL BALANCE DEEP CUT SL
						0.80		1924	1988	PANALTA MATERIAL BALANCE DEEP CUT SL
9.10	0.060	0.75	26 140	84	0.908	0.67	3 089.9	1972	1983	PANALTA TCPL
41.00	0.040	0.75	26 850	80	0.901	0.71	3 069.7	1981	1982	
1.10	0.240	0.65	2 360	18	0.954	0.56	234.0	1949	1985	TCPL MATERIAL BALANCE
2.28	0.350	0.60	2 220	19	0.955	0.57	281.8	1961	1986	TCPL PRODUCTION DECLINE
2.55	0.255	0.50	2 480	21	0.952	0.56	446.5	1963	1988	PRODUCTION DECLINE
1.37	0.250	0.50	2 480	19	0.951	0.56	458.4	1976	1988	PRODUCTION DECLINE
2.11	0.268	0.40	2 480	19	0.951	0.57	457.2	1961	1988	PRODUCTION DECLINE
								1961	1988	TCPL
2.10	0.255	0.50	2 480	21	0.952	0.56	429.8	1961	1985	PRODUCTION DECLINE
2.09	0.268	0.40	2 480	19	0.951	0.56	430.4	1961	1985	PRODUCTION DECLINE
								1961	1985	TCPL
1.78	0.260	0.45	2 500	24	0.954	0.56	461.4	1952	1985	TCPL PRODUCTION DECLINE
1.35	0.260	0.25	2 500	25	0.954	0.56	445.6	1952	1986	PROGAS TCPL MATERIAL BALANCE
7.85	0.110	0.40	2 480	19	0.951	0.57	470.2	1961	1987	TCPL PRODUCTION DECLINE
1.53	0.170	0.65	8 230	45	0.852	0.65	1 423.1	1966	1984	A&S TCPL
1.65	0.200	0.65	11 260	60	0.832	0.67	1 626.1	1962	1987	CONCURRENT PRODUCTION
7.60	0.058	0.60	11 410	63	0.841	0.66	1 622.8	1952	1988	CONCURRENT PRODUCTION
						0.66		1952	1988	CONCURRENT PRODUCTION
								1952	1988	A&S TCPL CONCURRENT PRODUCTION
2.91	0.281	0.55	4 530	19	0.903	0.60	560.3	1979	1983	TCPL
10.00	0.246	0.40	4 140	27	0.926	0.56	656.0	1968	1985	TCPL PRODUCTION DECLINE
						0.84		1963	1979	TCPL
2.39	0.208	0.70	4 260	27	0.899	0.64	694.6	1974	1987	CWNGNUL PANALTA PROGAS TCPL MATERIAL BALANCE
1.95	0.231	0.65	4 210	28	0.908	0.63	695.7	1977	1988	PANALTA
						0.63		1977	1988	PANALTA
2.00	0.300	0.70	4 210	28	0.908	0.63	689.3	1977	1988	ASSIGNED WELL 2-25-75-9 W6M
								1977	1988	
3.01	0.123	0.70	11 640	59	0.850	0.63	1 625.4	1976	1988	PANALTA
4.50	0.085	0.70	21 710	75	0.894	0.61	2 141.4	1973	1988	PANALTA PROGAS
3.80	0.131	0.80	21 360	73	0.784	0.87	2 027.6	1978	1988	PANALTA SLPETRO PART OF HALFWAY POOL NO.1 GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE $10^6 m^3$	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES $10^6 m^3$	NET CUMULATIVE PRODUCTION $10^6 m^3$	REMAINING ESTABLISHED RESERVES $10^6 m^3$	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
VAUXHALL 012-17W4									
UPPER MANNVILLE B	487	0.90	0.15	372	83	289	38	10 895	150
GLAUCONITIC CH 07-012-17	565	0.85	0.10	432		432	36	15 725	150
OTHER	824			557	74	483		18 172	
TOTAL-VAUXHALL	1 876			1 361	157	1 204		44 792	
VEGA 061-03W5									
TOTAL-VEGA	260			170	6	164		6 291	
VENTRE (SA) 009-04W4									
TOTAL-VENTRE	56			34		34		1 212	
VENUS 101-09W6									
TOTAL-VENUS	311			207		207		7 560	
VERDANT (SA) 029-17W4									
TOTAL-VERDANT	22			10		10		366	
VERGER 022-15W4									
MILK RIVER A	7 864	0.70	0.05	5 230			36		79 068
MEDICINE HAT A	8 837	0.70	0.03	6 000			36		73 685
MEDICINE HAT C	276	0.50	0.03	134			36		9 851
MEDICINE HAT D	494	0.50	0.03	240			36		15 083
SECOND WHITE SPECKS A	3 635	0.75	0.05	2 590			36		36 159
SE ALTA GAS SYS(MU) TOTAL	21 106	0.70	0.05	14 194	3 731	10 463	36	381 586	
BASAL COLORADO A	576	0.85	0.05	466	398	68	37	2 526	3 081
MANNVILLE D ASSOC	469	0.75	0.05	334	27	307	38	11 586	1 523
OTHER	2 301			1 562	578	984		36 691	
TOTAL-VERGER	24 452			16 556	4 734	11 822		432 389	
VERMILION 050-05W4									
TOTAL-VERMILION	92			58		58		2 112	
VIKING-KINSELLA 047-10W4									
UPPER & MID VIKING A		0.85	0.03				36		194 196
UPPER MANNVILLE YY		0.85	0.03				37		1 667
U&M VIK A & U MANN YY TOTAL	35 172	0.85	0.05	29 000	18 215	10 785	37	395 486	
UPPER MANNVILLE D	608	0.75	0.05	433	322	111	37	4 053	712
UPPER MANNVILLE EE	1 220	0.70	0.05	811	800	11	36	397	587
UPPER MANNVILLE MMM	965	0.75	0.05	688	462	226	37	8 351	3 348
WAINWRIGHT	683	0.70	0.05	454	402	52	37	1 913	1 710
D-2 D	1 021	0.70	0.05	679	653	26	37	970	2 993
OTHER	13 995			8 807	4 280	4 527		168 179	
TOTAL-VIKING-KINSELLA	53 664			40 872	25 134	15 738		579 349	
VIOLET (SA) 079-02W4									
TOTAL-VIOLET	3			2		2		72	
VIRGINIA HILLS 064-13W5									
BELLOY A SOLN	632	0.38	0.30	168[b]			39		
BELLOY A ASSOC	1 278	0.92	0.15	1 000[b]	927[b]	241	39	9 452	2 228
BEAVERHILL LAKE SOLN	6 709	0.34	0.35	1 483	1 220	263	43	11 343	
OTHER	379			251	14	237		9 190	
TOTAL-VIRGINIA HILLS	8 998			2 902	2 161	741		29 985	
VIRGO 115-06W6									
BLUESKY A	502	0.50	0.05	238			36		10 470
BLUESKY A	14	0.65	0.05	9			38		200
BLUESKY A	154	0.50	0.05	73			36		200
BLUESKY A TOTAL	670	0.50	0.05	320	162	158	36	5 765	
OTHER	4 240			2 309	299	2 010		77 444	
TOTAL-VIRGO	4 910			2 629	461	2 168		83 209	
VOYAGER 045-17W5									
TOTAL-VOYAGER	149			92		92		3 565	
VULCAN 016-24W4									
TURNER VALLEY C	1 094	0.60	0.20	526	144	382	38	14 688	1 482
OTHER	553			376	310	66		2 616	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
16.26	0.216	0.70	11 440	35	0.800	0.70	1 055.2	1979	1988	PROGAS
14.00	0.250	0.80	11 580	34	0.797	0.68	1 031.8	1980	1988	PROGAS
3.93	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.78	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
0.71	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.3
0.83	0.139	0.60	4 450	19	0.916	0.56	487.7	1973	1988	PART OF MED HAT POOL NO.4
1.30	0.216	0.60	5 690	27	0.904	0.56	630.0	1939	1988	PART OF 2WS POOL NO.1
								1904	1988	CNG PANALTA TCPL
0.86	0.207	0.60	8 450	30	0.856	0.60	947.4	1959	1986	PANALTA PRODUCTION DECLINE
2.73	0.164	0.60	10 410	35	0.839	0.59	1 046.7	1970	1981	CNG CONCURRENT PRODUCTION OIL DEPLETED
1.43	0.230	0.55	5 580	24	0.894	0.60	714.5	1917	1984	PART OF VIK POOL NO.2 MATERIAL BALANCE
1.80	0.340	0.55	5 580	26	0.898	0.58	699.5	1965	1982	PART OF VIK POOL NO.2 MATERIAL BALANCE
								1917	1983	CWNGNUL KANNGAZ PANALTA TCPL PART OF VIK POOL NO.2
2.78	0.300	0.60	4 920	27	0.912	0.59	739.4	1973	1986	CWNGNUL MATERIAL BALANCE
2.81	0.288	0.70	4 610	23	0.914	0.59	724.9	1955	1986	TCPL MATERIAL BALANCE
2.97	0.276	0.60	5 470	23	0.897	0.58	758.5	1949	1983	TCPL
4.08	0.266	0.65	5 220	23	0.902	0.58	709.0	1955	1986	MATERIAL BALANCE
4.45	0.092	0.65	4 670	34	0.923	0.56	738.5	1960	1987	CWNGNUL TCPL PRODUCTION DECLINE
						0.69		1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
3.27	0.184	0.75	13 440	77	0.859	0.69	1 883.7	1961	1984	A&S CWNGNUL PREVIOUS CONCURRENT PRODUCTION
						0.87		1957	1988	A&S CWNGNUL
2.00	0.210	0.40	2 690	12	0.941	0.59	217.9	1972	1982	PART OF BLSKY POOL NO.1
1.50	0.250	0.65	2 690	12	0.940	0.57	224.2	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 10-15-115-4 W6M
24.00	0.329	0.60	1 590	15	0.966	0.59	231.0	1972	1982	PART OF BLSKY POOL NO.1 ASSIGNED WELL 12-24-114-05 W6M
								1972	1982	PANALTA PART OF BLSKY POOL NO.1
6.37	0.101	0.60	16 820	64	0.830	0.75	1 833.6	1960	1979	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10^6m^3	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10^6m^3	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
VULCAN 016-24W4 (CONTINUED)									
TOTAL-VULCAN	1 647			902	454	448		17 304	
WABASCA (SA) 085-24W4									
TOTAL-WABASCA	14			7		7		258	
WAINWRIGHT 045-06W4									
VIKING	2 210	0.50	0.05	1 050			37		28 755
COLONY R	90	0.75	0.05	65			35		1 320
COLONY V ASSOC	6	0.70	0.05	4			36		160
COLONY W ASSOC	1	0.70	0.05	1			36		52
COLONY G	58	0.75	0.05	42			36		641
VIK & CLY G,R,V,W&EE TOTAL	2 365	0.50	0.05	1 162	485	677	37	24 981	
COLONY	369	0.90	0.05	315	130	185	35	6 553	1 851
SPARKY E	480	0.75	0.05	342	337	5	35	173	1 741
OTHER	5 127			2 595	722	1 873		66 189	
TOTAL-WAINWRIGHT	8 341			4 414	1 674	2 740		97 896	
WALRUS (SA) 082-17W5									
TOTAL-WALRUS	53			35		35		1 311	
WANYANDIE 060-01W6									
UPPER CARDIUM 03-060-01	664	0.75	0.10	448		448	39	17 642	200
OTHER	775			533		533		21 343	
TOTAL-WANYANDIE	1 439			981		981		38 985	
WAPITI 067-10W6									
CADOTTE A	737	0.85	0.10	563	293	270	38	10 295	2 112
FALHER C-1	1 000	0.85	0.15	723	661	62	40	2 463	1 276
FALHER C-2	601	0.85	0.15	434	383	51	38	1 921	500
FALHER C-3	685	0.75	0.15	437	393	44	39	1 702	250
FALHER D-1	3 516	0.85	0.10	2 690	1 097	1 593	38	60 104	12 004
FALHER E-1	1 836	0.75	0.15	1 170	467	703	39	27 677	250
FALHER F-1	2 761	0.95	0.15	2 230	1 950	280	39	11 004	3 219
CADOMIN B	493	0.75	0.05	352	258	94	36	3 407	150
CADOMIN A	10 085	0.70	0.15	6 000	2	5 998	38	228 524	29 239
NIKANASSIN #1 30-066-10	793	0.75	0.10	536		536	37	19 837	200
NIKANASSIN 1&2 29-067-08	445	0.85	0.05	359		359	36	12 885	200
BELLOY 26-066-07	575	0.75	0.20	345		345	38	12 962	440
BELLOY 33-067-07	423	0.80	0.10	304		304	39	11 725	200
OTHER	13 015			8 325	586	7 739		301 458	
TOTAL-WAPITI	36 965			24 468	6 090	18 378		705 964	
WAPPAU (SA) 074-11W4									
TOTAL-WAPPAU	22			15		15		558	
WARRENSVILLE (SA) 084-24W5									
TOTAL-WARRENSVILLE	77			48		48		1 802	
WARSPITE 060-18W4									
TOTAL-WARSPITE	775			503	218	285		10 647	
WARWICK 052-14W4									
UPPER MANNVILLE G	747	0.75	0.05	532	432	100	37	3 738	1 655
UPPER MANNVILLE K	996	0.75	0.05	710	594	116	37	4 300	538
UPPER MANNVILLE M	500	0.70	0.05	333	320	13	37	480	1 782
UPPER MANNVILLE D	399	0.75	0.05	284			37		1 662
UPPER MANNVILLE NNN	52	0.65	0.05	32			37		924
UPPER MANNVILLE D&NNN TOTAL	451	0.75	0.05	316	266	50	37	1 857	
UPPER MANNVILLE MMM	535	0.70	0.05	356	206	150	37	5 571	365
OTHER	9 739			6 492	3 013	3 479		129 232	
TOTAL-WARWICK	12 968			8 739	4 831	3 908		145 178	
WASKAHIGAN 064-23W5									
DUNVEGAN A SOLN	228	0.60	0.10	123[b]			40		
DUNVEGAN A ASSOC	399	0.90	0.10	323[b]	98[b]	348	40	14 031	744
DUNVEGAN C SOLN	46	0.65	0.10	27[b]			40		

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.04	0.248	0.55	5 030	21	0.898	0.59	590.7	1953	1981	
1.52	0.210	0.50	4 140	23	0.926	0.58	593.8	1973	1985	
0.55	0.260	0.60	3 900	22	0.926	0.60	598.8	1975	1979	
0.51	0.200	0.55	4 150	22	0.922	0.60	600.0	1977	1979	
1.22	0.289	0.60	4 140	24	0.924	0.59	594.8	1973	1985	
								1953	1985	CWNGNUL PANALTA TCPL
3.35	0.250	0.60	3 870	25	0.931	0.59	633.7	1952	1977	NONCOMMERCIAL OIL
2.04	0.307	0.70	4 220	22	0.925	0.59	615.6	1956	1986	PANALTA TCPL PRODUCTION DECLINE
10.70	0.200	0.89	19 610	92	0.877	0.68	2 291.0	1980	1980	
5.32	0.057	0.65	19 990	84	0.899	0.61	2 403.8	1980	1988	TCPL PANALTA DEEP CUT SL
3.76	0.098	0.75	20 700	85	0.873	0.67	2 432.6	1978	1987	PANALTA PROGAS TCPL MATERIAL BALANCE DEEP CUT SL
6.40	0.087	0.65	16 940	78	0.867	0.68	2 250.8	1980	1988	TCPL PANALTA PROGAS PRODUCTION DECLINE DEEP CUT SL/NONCOMMERCIAL OIL
16.60	0.060	0.60	22 750	94	0.911	0.64	2 336.2	1979	1988	PANALTA PROGAS TCPL PRODUCTION DECLINE DEEP CUT SL
3.18	0.072	0.70	21 040	86	0.912	0.60	2 470.5	1979	1987	PANALTA PROGAS TCPL DEEP CUT SL
3.50	0.100	0.70	22 500	64	0.865	0.63	2 347.4	1981	1988	PRODUCTION DECLINE DEEP CUT SL
4.84	0.099	0.70	31 400	87	0.970	0.63	2 502.0	1978	1988	PANALTA PROGAS DEEP CUT SL
4.60	0.130	0.75	21 770	65	0.901	0.59	2 389.3	1980	1988	TCPL PRODUCTION DECLINE DEEP CUT SL
4.39	0.047	0.70	21 420	88	0.892	0.67	2 805.2	1956	1988	PANALTA PROGAS TCPL PART OF CDM POOL NO.1 DEEP CUT SL
19.30	0.110	0.85	25 000	77	0.924	0.60	2 914.0	1980	1984	DEEP CUT SL
11.40	0.110	0.80	24 700	69	0.927	0.58	2 606.1	1981	1984	PROGAS TCPL PANALTA DEEP CUT SL
6.70	0.120	0.75	29 800	125	0.982	0.65	3 191.2	1956	1982	BER
16.00	0.135	0.55	22 930	117	0.939	0.68	2 956.2	1980	1981	TCPL BER
1.70	0.280	0.75	4 930	27	0.907	0.58	760.5	1970	1988	TCPL PRODUCTION DECLINE
6.85	0.280	0.80	4 760	30	0.917	0.57	701.5	1970	1985	TCPL MATERIAL BALANCE
2.85	0.238	0.65	4 700	34	0.923	0.58	749.6	1970	1985	TCPL PRODUCTION DECLINE
1.39	0.236	0.50	4 740	30	0.919	0.56	731.1	1970	1986	MATERIAL BALANCE
0.89	0.232	0.55	4 690	24	0.913	0.56	717.2	1980	1984	
								1970	1986	TCPL
2.41	0.240	0.70	4 610	27	0.917	0.57	701.2	1971	1987	TCPL MATERIAL BALANCE
						0.65		1967	1988	A&S CONCURRENT PRODUCTION
4.97	0.163	0.65	10 240	63	0.852	0.65	1 544.1	1967	1988	A&S CONCURRENT PRODUCTION
						0.65		1959	1987	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10⁶m³	2 RAW GAS POOL RECOVERY frac	3 RAW GAS SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10⁶m³	5 MARKETABLE GAS NET CUMULATIVE PRODUCTION 10⁶m³	6 MARKETABLE GAS REMAINING ESTABLISHED RESERVES 10⁶m³	7 MARKETABLE GAS GROSS HEAT VALUE MJ/m³	8 MARKETABLE GAS REMAINING ENERGY CONTENT TJ	9 AREA ha
WASKAHIGAN 064-23W5 (CONTINUED)									
DUNVEGAN C ASSOC	1 000	0.80	0.10	720[b]	688[b]	59	40	2 360	2 341
DUNVEGAN B	1 699	0.85	0.10	1 300	750	550	40	22 204	2 613
OTHER	1 342			916	113	803		31 530	
TOTAL-WASKAHIGAN	4 714			3 409	1 649	1 760		70 125	
WATCH 054-22W5									
TOTAL-WATCH	181			131		131		5 109	
WATELET 047-26W4									
TOTAL-WATELET	446			287	57	230		8 812	
WATERTON 004-01W5									
RUNDLE C	8 726	0.50	0.45	2 400	410	1 990	38	74 784	1 665
RUNDLE J	2 533	0.75	0.40	1 140	17	1 123	39	43 617	301
RUNDLE K	670	0.80	0.40	322	39	283	39	10 961	200
RUNDLE D		0.75	0.52				39		2 869
RUNDLE E		0.75	0.52				39		100
RUNDLE D & E TOTAL	18 056	0.75	0.50	6 500	4 487	2 013	39	78 306	
RUNDLE A		0.60	0.35				39		200
RUNDLE H		0.60	0.35				39		150
RUNDLE A & H TOTAL	1 400	0.60	0.35	546	216	330	38	12 662	
MTHEAD & LVNGST15-003-30	1 290	0.90	0.15	987		987	43	42 056	200
RUNDLE 05-006-01	951	0.75	0.15	606		606	38	23 083	200
RUNDLE-WABAMUN A	79 529	c	c	49 300	40 773	8 527	39[a]	334 685	5 157
WABAMUN B	924	0.85	0.28	565	304	261	37	9 592	386
WABAMUN 31-006-03	896	0.85	0.20	610		610	37	22 698	512
WABAMUN 03-006-03	868	0.65	0.20	451		451	37	16 601	200
OTHER	785			546		546		21 372	
TOTAL-WATERTON	116 628			63 973	46 246	17 727		690 417	
WATTS 031-16W4									
BANFF D SOLN	50	0.65	0.15	28[b]			42		
BANFF D ASSOC	443	0.85	0.15	320[b]	159[b]	189	42	7 953	969
OTHER	1 857			1 142	337	805		31 356	
TOTAL-WATTS	2 350			1 490	496	994		39 309	
WAVY LAKE 043-14W4									
TOTAL-WAVY LAKE	713			475	120	355		13 338	
WAYNE-ROSEDALE 027-19W4									
BELLY RIVER A	554	0.90	0.05	474	406	68	37	2 500	1 785
BELLY RIVER J	35	0.65	0.05	22			37		250
BELLY RIVER K	531	0.60	0.05	303			37		3 512
BELLY RIVER X	7	0.50	0.05	4			37		128
BELLY RIVER J,K & X TOTAL	573	0.60	0.05	329	42	287	37	10 619	
MEDICINE HAT A	1 664	0.70	0.03	1 130			36		25 907
SE ALTA GAS SYS (MU) TOTAL	1 664	0.70	0.05	1 130		1 130	36	41 211	
VIKING A	3 435	0.95	0.05	3 100	2 892	208	39	8 152	25 593
VIKING B	676	0.90	0.05	578	412	166	39	6 429	3 280
GLAUCONITIC A	1 050	0.90	0.10	851	838	13	40	514	1 625
GLAUCONITIC G	789	0.90	0.10	639	636	3	39	118	975
GLAUCONITIC T	2 139	0.80	0.10	1 540	508	1 032	39	40 227	8 079
OSTRACOD A	588	0.85	0.05	475	359	116	39	4 550	150
BASAL QUARTZ E SOLN	185	0.60	0.10	100[b]			38		
BASAL QUARTZ E ASSOC	421	0.80	0.10	303[b]	63[b]	340	38	12 794	684
BASAL QUARTZ EEE	488	0.70	0.10	308	155	153	40	6 050	615
OTHER	12 402			6 262	2 270	3 992		153 717	
TOTAL-WAYNE-ROSEDALE	24 964			16 089	8 581	7 508		286 881	
WEALD 050-19W5									
TOTAL-WEALD	574			417		417		16 541	
WEASEL 058-19W4									
TOTAL-WEASEL	184			127		127		4 719	
WEASONE (SA) 062-09W5									
TOTAL-WEASONE	100			67		67		2 655	
WEBSTER 074-05W6									
LOWER MANNVILLE A	767	0.80	0.10	553	55	498	40	19 810	2 052

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
2.80	0.140	0.55	10 240	63	0.853	0.65	1 501.1	1959	1987	A&S PRODUCTION DECLINE CONCURRENT PRODUCTION
2.87	0.120	0.65	10 360	64	0.846	0.67	1 588.4	1961	1988	A&S MATERIAL BALANCE
34.85	0.054	0.85	38 590	86	0.933	0.83	3 489.8	1957	1988	A&S
61.38	0.055	0.80	33 450	80	0.865	0.84	3 255.7	1970	1987	A&S TOP/BASE TVD
24.40	0.054	0.85	34 270	86	0.908	0.86	3 631.6	1958	1988	
28.99	0.050	0.80	34 300	80	0.834	0.95	3 508.5	1957	1988	MATERIAL BALANCE TOP/BASE TVD
37.50	0.050	0.80	34 300	80	0.834	0.95	3 277.4	1960	1988	MATERIAL BALANCE
								1957	1988	A&S
21.60	0.052	0.80	29 765	75	0.858	0.85	2 956.6	1960	1988	MATERIAL BALANCE TOP/BASE TVD DEEP CUT SL
20.30	0.060	0.85	33 680	89	0.924	0.88	3 463.2	1960	1988	MATERIAL BALANCE TOP/BASE TVD DEEP CUT SL
								1960	1988	A&S DEEP CUT SL
52.70	0.050	0.90	34 200	96	0.969	0.79	3 196.7	1987	1988	A&S TOP/BASE TVD
52.00	0.040	0.80	40 530	104	1.070	0.63	4 441.5	1981	1982	PROGAS
43.19	0.050	0.80	32 960	69	0.879	0.97	3 049.1	1959	1988	A&S GAS CYCLING TOP/BASE TVD
19.30	0.053	0.80	40 800	101	1.058	0.65	4 191.3	1958	1982	A&S PROGAS MATERIAL BALANCE
17.89	0.053	0.80	27 720	96	0.926	0.67	3 710.8	1964	1987	PROGAS
38.30	0.050	0.80	35 210	83	0.993	0.65	3 427.5	1981	1983	A&S PROGAS
						0.81		1984	1986	TCPL CONCURRENT PRODUCTION
3.47	0.135	0.80	9 300	37	0.700	0.81	1 203.9	1984	1986	TCPL CONCURRENT PRODUCTION
2.96	0.145	0.50	6 130	22	0.890	0.56	645.8	1960	1988	CWNGNUL MATERIAL BALANCE
4.00	0.260	0.45	2 900	18	0.943	0.56	505.0	1978	1988	
3.42	0.236	0.60	3 080	24	0.944	0.56	702.6	1977	1987	
1.30	0.240	0.60	2 850	23	0.947	0.56	649.7	1981	1984	
								1977	1984	TCPL
1.36	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	TCPL
2.06	0.200	0.70	8 070	38	0.847	0.63	1 184.8	1953	1984	CWNGNUL TCPL PANALTA MATERIAL BALANCE
2.87	0.174	0.40	8 070	38	0.849	0.64	1 214.2	1954	1982	TCPL MATERIAL BALANCE
4.75	0.198	0.70	10 070	42	0.797	0.69	1 330.1	1953	1982	TCPL MATERIAL BALANCE
4.42	0.180	0.75	11 107	41	0.792	0.68	1 331.9	1957	1980	TCPL MATERIAL BALANCE
2.49	0.167	0.60	9 670	40	0.828	0.64	1 294.0	1966	1987	TCPL PART OF GLAUC POOL NO.4
2.74	0.200	0.65	10 100	46	0.818	0.67	1 339.8	1962	1988	TCPL PRODUCTION DECLINE
						0.70		1959	1987	TCPL CONCURRENT PRODUCTION
6.20	0.167	0.50	10 340	38	0.796	0.70	1 341.0	1959	1987	TCPL CONCURRENT PRODUCTION
6.80	0.178	0.60	9 810	42	0.811	0.67	1 232.2	1966	1982	TCPL
3.38	0.140	0.55	14 690	75	0.836	0.70	1 665.1	1973	1977	CWNGNUL TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10⁶m³	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10⁶m³	NET CUMULATIVE PRODUCTION 10⁶m³	REMAINING ESTABLISHED RESERVES 10⁶m³	GROSS HEAT VALUE MJ/m³	REMAINING ENERGY CONTENT TJ	ha
WEBSTER 074-05W6 (CONTINUED)									
OTHER	875			640	240	400		15 477	
TOTAL-WEBSTER	1 642			1 193	295	898		35 287	
WELLBURN 009-18W4									
TOTAL-WELLBURN	48			27	27				
WEMBLEY 073-08W6									
HALFWAY B SOLN	4 209	0.65	0.30	1 915		1 915	40	76 600	
HALFWAY B ASSOC	5 955	c	c	4 300	70	4 230	40	169 200	5 945
DOIG E SOLN	292	0.65	0.30	133[b]			41		
DOIG E ASSOC	960	0.85	0.15	694[b]	118[b]	709	41	29 317	1 163
OTHER	882			580	52	528		20 003	
TOTAL-WEMBLEY	12 298			7 622	240	7 382		295 120	
WERNER 034-12W4									
TOTAL-WERNER	240			161		161		5 798	
WEST COVE 055-06W5									
NORDEGG-BANFF 20-055 ASSOC	441	0.85	0.10	338		338	40	13 557	200
OTHER	481			311		311		12 299	
TOTAL-WEST COVE	922			649		649		25 856	
WEST DRUMHELLER 030-21W4									
TOTAL-WEST DRUMHELLER	1 175			249	72	177		6 932	
WESTEROSE 046-28W4									
UPPER MANNVILLE B	3 055	0.80	0.10	2 200	533	1 667	40	66 163	4 214
D-3 SOLN	5 146	0.71	0.15	3 106[b]			42[a]		
D-3 ASSOC	3 597	c	c	3 000[b]	2 511[b]	3 595	42[a]	149 983	513
OTHER	1 563			1 038	32	1 006		39 440	
TOTAL-WESTEROSE	13 361			9 344	3 076	6 268		255 586	
WESTEROSE SOUTH 044-01W5									
GLAUCONITIC A	25 556	0.70	0.10	16 100			40		23 542
BASAL QUARTZ F	55	0.70	0.10	35			39		150
GLAUC A & BSL QTZ F TOTAL	25 611	0.70	0.10	16 135	4 034	12 101	40	477 990	
D-3 A	52 006	0.88	0.15	38 900	38 682	218	41	8 833	4 770
OTHER	2 623			1 749	29	1 720		67 082	
TOTAL-WESTEROSE SOUTH	80 240			56 784	42 745	14 039		553 905	
WESTLOCK 059-26W4									
VIKING U	389	0.85	0.04	318	44	274	38	10 448	5 538
VIKING		0.95	0.04				38		34 319
VIKING B		0.80	0.05				38		10 198
VIKING I		0.95	0.04				38		4 811
VIKING J		0.95	0.04				38		400
VIKING K		0.95	0.04				38		2 531
VIKING L		0.95	0.04				38		1 893
VIKING M		0.95	0.04				38		916
VIKING N		0.95	0.04				38		6 992
VIKING P		0.95	0.04				39		1 461
VIKING Q		0.95	0.04				39		200
VIK,VIK BIJKLMNOP & Q TOTAL	13 377	0.95	0.05	12 200	10 047	2 153	38	82 137	
MIDDLE VIKING B	373	0.90	0.04	323	266	57	38	2 177	944
LOWER MANNVILLE B	1 126	0.80	0.10	811	256	555	39	21 728	1 966
OTHER	2 497			1 706	260	1 446		54 768	
TOTAL-WESTLOCK	17 762			15 358	10 873	4 485		171 258	
WESTPEM 049-13W5									
ELLERSLIE 26-049-13	594	0.50	0.10	312		312	39	12 283	128
BLUERIDGE 14-049-13	447	0.80	0.15	304		304	42	12 780	200
NISKU E	1 160	c	c	709		709	45[a]	31 735	87
OTHER	1 589			1 012	-818	1 830		74 494	
TOTAL-WESTPEM	3 890			2 337	-818	3 155		131 292	
WETASKIWIN 045-24W4									
TOTAL-WETASKIWIN	252			170		170		6 485	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
						0.85		1978	1988	SLPETRO PANALTA PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME/DEEP CUT SL
4.82	0.116	0.80	21 360	73	0.784	0.85	2 037.8	1978	1988	SLPETRO PANALTA PART OF HALFWAY POOL NO.1 GAS CYCLING SCHEME/DEEP CUT SL
						0.71		1972	1987	PANALTA CONCURRENT PRODUCTION DEEP CUT SL
6.69	0.077	0.80	21 660	85	0.859	0.71	2 117.9	1972	1987	PANALTA CONCURRENT PRODUCTION DEEP CUT SL
13.63	0.181	0.65	12 250	47	0.791	0.67	1 499.7	1984	1988	
6.63	0.125	0.65	11 760	46	0.779	0.71	1 687.8	1980	1988	PANALTA PROGAS SOQUIP PSR KANNGAZ
						0.79		1952	1987	TCPL GAS CYCLING, CONCURRENT PRODUCTION
57.33	0.080	0.90	17 470	81	0.826	0.79	2 129.1	1952	1987	TCPL GAS CYCLING, CONCURRENT PRODUCTION
10.57	0.114	0.55	16 600	73	0.833	0.70	1 846.5	1955	1988	
2.40	0.130	0.75	15 750	70	0.834	0.68	1 822.9	1987	1987	
								1977	1988	
75.90	0.085	0.90	18 960	83	0.814	0.81	2 325.1	1954	1987	A&S TCPL MATERIAL BALANCE PREVIOUS GAS CYCLING
0.98	0.200	0.60	5 820	37	0.894	0.62	794.6	1959	1988	NORCEN TCPL
2.15	0.192	0.65	5 820	37	0.897	0.60	774.2	1949	1987	MATERIAL BALANCE
0.85	0.190	0.60	5 640	33	0.901	0.59	722.2	1972	1988	MATERIAL BALANCE
1.50	0.203	0.65	5 820	37	0.897	0.60	759.4	1984	1984	MATERIAL BALANCE
1.25	0.206	0.60	5 820	37	0.897	0.60	767.2	1955	1984	MATERIAL BALANCE
1.02	0.190	0.60	5 820	37	0.897	0.60	748.7	1949	1984	MATERIAL BALANCE
0.62	0.130	0.50	5 820	37	0.897	0.60	783.8	1984	1984	MATERIAL BALANCE
0.77	0.190	0.65	5 820	37	0.897	0.60	724.1	1961	1984	MATERIAL BALANCE
0.81	0.162	0.55	5 820	37	0.897	0.60	784.2	1953	1984	MATERIAL BALANCE
1.32	0.191	0.65	5 820	37	0.897	0.60	734.2	1959	1984	MATERIAL BALANCE
1.20	0.192	0.65	5 820	37	0.897	0.60	718.7	1961	1984	MATERIAL BALANCE
								1949	1984	CWNGNUL NORCEN PANALTA PWGE TCPL
2.82	0.200	0.60	5 820	37	0.897	0.60	784.3	1947	1988	CWNGNUL PART OF VIK POOL NO.1 PRODUCTION DECLINE
4.69	0.219	0.80	6 670	36	0.881	0.61	951.8	1951	1988	CWNGNUL TCPL NORCEN
27.40	0.150	0.80	19 380	104	0.887	0.70	2 479.7	1986	1987	
10.47	0.090	0.80	39 720	91	1.047	0.78	3 103.0	1980	1981	
39.30	0.106	0.90	39 720	106	1.083	1.26	3 148.9	1978	1982	GAS CYCLING

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
WHISKEY 022-05W5									
RUNDLE A	2 647	0.40	0.15	900	56	844	41	34 435	440
PALLISER 04-022-05	2 123	0.50	0.65	372		372	38	14 062	200
OTHER	70			42		42		1 693	
TOTAL-WHISKEY	4 840			1 314	56	1 258		50 190	
WHITE ROSE (SA) 118-01W6									
TOTAL-WHITE ROSE	5			4		4		147	
WHITECOURT 060-11W5									
CADOMIN A		0.80	0.10				40		200
JURASSIC E		0.80	0.10				40		1 847
CADOMIN A&JURASSIC E TOTAL	2 195	0.80	0.10	1 580	1 251	329	40	13 028	
JURASSIC C	4 444	0.75	0.10	3 000	1 419	1 581	39	61 643	729
JURASSIC D	1 345	0.80	0.10	968	357	611	39	24 006	2 108
PEKISKO E	4 741	0.75	0.10	3 200	1 312	1 888	39	73 953	4 807
OTHER	1 589			1 078	191	887		34 544	
TOTAL-WHITECOURT	14 314			9 826	4 530	5 296		207 174	
WHITEHORSE 049-15W5									
NISKU 20-050-15	502	0.80	0.15	342		342	37	12 808	128
OTHER	1 363			911	26	885		35 235	
TOTAL-WHITEHORSE	1 865			1 253	26	1 227		48 043	
WHITELAW 082-02W6									
SPIRIT RIVER F	310	0.80	0.05	236			38		1 629
SPIRIT RIVER G	260	0.65	0.05	161			37		2 119
SPIRIT RIVER H	185	0.65	0.05	114			37		1 668
SPIRIT RIVER FG & H TOTAL	755	0.70	0.05	511	202	309	37	11 575	
BLUESKY A	378	0.75	0.05	270			38		2 025
GETHING A	385	0.85	0.10	294			40		2 167
BLSKY A & GETH A TOTAL	763	0.80	0.10	564	140	424	39	16 430	
GETHING B	562	0.80	0.05	428	298	130	38	4 898	1 747
TRIASSIC A	618	0.90	0.10	501		501	39	19 474	816
OTHER	745			468	93	375		14 086	
TOTAL-WHITELAW	3 443			2 472	733	1 739		66 463	
WHITEMUD 051-25W4									
TOTAL-WHITEMUD	216			143	28	115		4 577	
WHITFORD 058-16W4									
VIKING A	1 187	0.40	0.05	451	41	410	37	15 154	17 273
OTHER	1 461			901	346	555		20 661	
TOTAL-WHITFORD	2 648			1 352	387	965		35 815	
WIDEWATER 073-08W5									
TOTAL-WIDEWATER	225			157		157		5 767	
WILD HORSE CREEK 031-10W5									
RUNDLE A	2 084	0.45	0.20	750	660	90	38	3 396	668
TOTAL-WILD HORSE CREEK	2 084			750	660	90		3 396	
WILD RIVER 056-24W5									
WABAMUN A	648	0.85	0.15	468		468	38	17 742	64
IRETON A	622	0.90	0.05	532		532	37	19 833	200
LEDUC 16-056-23	833	0.80	0.05	633		633	37	23 237	200
OTHER	1 417			999		999		39 274	
TOTAL-WILD RIVER	3 520			2 632		2 632		100 086	
WILDCAT HILLS 027-06W5									
RUNDLE A	29 411	0.88	0.15	22 000	15 895	6 105	39	235 104	4 062
TOTAL-WILDCAT HILLS	29 411			22 000	15 895	6 105		235 104	
WILDMERE 048-05W4									
TOTAL-WILDMERE	5 990			4 000	1 099	2 901		104 401	
WILDUNN CREEK 029-14W4									
VIKING B	624	0.70	0.05	415	147	268	38	10 259	2 158
OTHER	355			211	98	113		4 149	
TOTAL-WILDUNN CREEK	979			626	245	381		14 408	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
41.50	0.076	0.75	26 300	77	0.839	0.86	3 522.9	1968	1986	TCPL PRODUCTION DECLINE TOP/BASE TVD
46.25	0.077	0.85	32 090	85	0.727	0.98	3 803.5	1980	1988	TCPL
10.67	0.168	0.50	12 830	66	0.855	0.65	1 507.9	1963	1987	MATERIAL BALANCE
5.25	0.168	0.50	12 830	66	0.855	0.65	1 546.3	1962	1987	MATERIAL BALANCE
								1962	1987	TCPL
2.59	0.159	0.70	12 700	63	0.860	0.63	1 533.7	1968	1985	TCPL MATERIAL BALANCE
7.31	0.144	0.50	12 170	64	0.847	0.68	1 582.7	1965	1986	PROGAS TCPL
10.29	0.118	0.65	12 780	66	0.858	0.65	1 585.0	1963	1986	PANALTA PROGAS TCPL
21.45	0.089	0.95	29 140	117	0.982	0.63	3 276.5	1981	1987	PROGAS TCPL BER
2.29	0.250	0.50	6 410	33	0.897	0.56	716.0	1951	1980	
2.02	0.230	0.50	5 140	30	0.914	0.55	620.6	1977	1978	
1.25	0.280	0.50	6 100	33	0.894	0.59	683.7	1977	1982	
								1951	1980	PANALTA TCPL
1.93	0.176	0.65	7 860	30	0.872	0.56	846.0	1950	1985	
1.83	0.190	0.65	7 440	40	0.861	0.62	870.9	1951	1985	
								1950	1985	CWNGNUL TCPL
3.26	0.190	0.65	7 540	33	0.877	0.57	877.6	1959	1985	CWNGNUL TCPL
3.51	0.210	0.70	9 860	40	0.813	0.67	997.3	1950	1973	CWNGNUL
1.06	0.260	0.55	4 240	18	0.914	0.58	468.4	1949	1988	CWNGNUL PANALTA TCPL PART OF VIK POOL NO.6
26.69	0.077	0.85	21 720	62	0.858	0.66	2 164.5	1960	1984	A&S TCPL MATERIAL BALANCE TOP/BASE TVD
127.10	0.036	0.80	42 540	127	1.093	0.64	3 611.3	1968	1983	BER
10.18	0.140	0.90	37 820	138	1.079	0.56	3 950.1	1972	1975	
27.00	0.070	0.80	40 600	110	1.094	0.56	4 167.1	1980	1982	
43.30	0.073	0.85	26 960	84	0.921	0.69	2 982.0	1958	1984	A&S CWNGNUL TCPL MATERIAL BALANCE TOP/BASE TVD
2.29	0.251	0.60	7 790	33	0.864	0.58	948.7	1953	1981	TCPL

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	AREA ha
WILDWOOD 054-09W5									
TOTAL-WILDWOOD	399			277		277		10 850	
WILKINS 042-08W4									
TOTAL-WILKINS	154			103		103		3 742	
WILLESDEN GREEN 042-07W5									
BELLY RIVER E	899	0.80	0.10	647	32	615	41	25 424	1 464
CARDIUM A ASSOC	906	0.85	0.15	655[b]			41		3 934
CARDIUM A ASSOC	998	0.85	0.10	763[b]			40		4 697
CARDIUM A PRIMARY SOLN	3 376	0.70	0.40	1 418[b]			41		
CARDIUM A WATERFLOOD SOLN	12 056	0.27	0.60	1 302[b]			41		
CARDIUM A MISCIBLE SOLN	6 266	0.38	0.60	952[b]			41		
CARDIUM A TOTAL	23 602	0.40	0.45	5 090[b]	2 832[b]	2 258	41	92 578	
VIKING A SOLN	1 093	0.65	0.15	604[b]			41		
VIKING A ASSOC	272	0.70	0.15	162[b]	469[b]	297	41	12 251	467
GLAUCONITIC C	7 937	0.70	0.10	5 000			40		8 688
ELLERSLIE G	2 033	0.50	0.15	864			41		2 217
GLAUC C & ELRSL G TOTAL	9 970	0.65	0.10	5 864	539	5 325	40	215 609	
OTHER	9 415			5 583	741	4 842		196 035	
TOTAL-WILLESDEN GREEN	45 251			17 950	4 613	13 337		541 897	
WILLINGDON 055-15W4									
TOTAL-WILLINGDON	5 399			3 416	1 905	1 511		56 601	
WILLOW 028-17W4									
TOTAL-WILLOW	373			254	126	128		4 890	
WILSON CREEK 043-04W5									
PEKISKO A	1 077	0.85	0.15	778	488	290	40	11 667	2 397
OTHER	222			131	48	83		3 236	
TOTAL-WILSON CREEK	1 299			909	536	373		14 903	
WIMBORNE 034-26W4									
D-2 B ASSOC	691	0.85	0.40	352		352	41	14 267	1 085
D-3 A SOLN	3 090	0.27	0.32	567[b]			35		
D-3 A ASSOC	11 765	0.85	0.25	7 500[b]	5 192[b]	2 875	35	99 763	6 093
OTHER	1 089			585	232	353		13 517	
TOTAL-WIMBORNE	16 635			9 004	5 424	3 580		127 547	
WINAGAMI 077-18W5									
TOTAL-WINAGAMI	169			114		114		4 348	
WINCHELL COULEE 029-06W5									
TOTAL-WINCHELL COULEE	97			64		64		2 564	
WINDFALL 060-15W5									
VIKING A	505	0.80	0.10	364	6	358	39	13 905	3 242
RUNDLE C	527	0.85	0.10	403	175	228	37	8 356	3 411
D-3 A SOLN	4 502	0.22	0.35	644[b]			42[a]		
D-3 A ASSOC	21 288	c	c	7 560[b]	5 322[b]	2 882	42[a]	122 254	4 738
OTHER	5 566			2 520	688	1 832		69 548	
TOTAL-WINDFALL	32 388			11 491	6 191	5 300		214 063	
WINDY 049-04W4									
TOTAL-WINDY	96			64	17	47		1 623	
WINTERING HILLS 025-17W4									
MILK RIVER A	1 940	0.70	0.05	1 290			36		22 242
MEDICINE HAT A	5 861	0.70	0.03	3 980			36		55 909
SE ALTA GAS SYS(MU) TOTAL	7 801	0.70	0.05	5 270	189	5 081	36	185 304	
UPPER MANNVILLE K	417	0.90	0.20	300	16	284	43	12 263	1 590
ELLERSLIE A ASSOC	2 014	0.80	0.05	1 530	92	1 438	39	56 053	3 896
OTHER	4 405			2 863	1 018	1 845		70 347	
TOTAL-WINTERING HILLS	14 637			9 963	1 315	8 648		323 967	
WIZARD LAKE 048-27W4									
D-3 A SOLN	7 303	0.88	0.13	5 591	5 267	324	38	12 318	
OTHER	934			589	-6 790	7 379		280 639	
TOTAL-WIZARD LAKE	8 237			6 180	-1 523	7 703		292 957	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
6.05	0.141	0.60	10 550	46	0.784	0.69	1 545.2	1959	1988	A&S
1.88	0.112	0.50	20 170	58	0.792	0.72	1 785.3	1954	1985	
2.94	0.095	0.35	19 830	58	0.784	0.74	1 831.1	1954	1987	CONCURRENT PRODUCTION
						0.72		1954	1987	
						0.74		1954	1977	
						0.72		1954	1988	
								1954	1988	A&S TCPL PSR CONCURRENT PRODUCTION
						0.76		1956	1988	A&S TCPL CONCURRENT PRODUCTION
3.32	0.132	0.70	17 170	63	0.765	0.76	2 317.8	1956	1988	A&S TCPL CONCURRENT PRODUCTION
5.66	0.108	0.65	25 500	85	0.881	0.73	2 362.5	1978	1988	
4.58	0.109	0.80	24 610	79	0.866	0.75	2 336.6	1964	1987	
								1964	1988	A&S PROGAS SOQUIP
5.67	0.059	0.75	19 270	87	0.850	0.76	2 146.7	1960	1972	A&S TCPL KANNGAZ
7.81	0.051	0.70	20 370	79	0.721	0.88	2 216.4	1957	1987	TCPL
						0.82		1956	1987	TCPL CONCURRENT PRODUCTION
13.63	0.079	0.90	20 750	80	0.839	0.82	2 277.6	1956	1987	TCPL CONCURRENT PRODUCTION
1.71	0.084	0.80	10 820	48	0.832	0.64	1 571.9	1955	1978	PROGAS
1.70	0.075	0.80	16 720	79	0.891	0.63	1 908.0	1956	1978	PROGAS
						0.85		1955	1987	A&S CONCURRENT PRODUCTION GAS CYCLING
32.92	0.063	0.85	26 100	104	0.856	0.85	2 582.9	1955	1987	A&S CONCURRENT PRODUCTION GAS CYCLING
3.45	0.154	0.55	3 140	16	0.937	0.56	355.7	1910	1987	PART OF MILK RIV POOL NO.1 PRODUCTION DECLINE
2.43	0.170	0.55	4 310	17	0.916	0.56	487.7	1904	1987	PART OF MED HAT POOL NO.1
								1904	1983	PROGAS TCPL PANALTA
1.24	0.229	0.65	9 810	33	0.642	0.83	1 169.4	1979	1982	TCPL
4.85	0.178	0.55	9 690	38	0.814	0.66	1 174.1	1963	1988	PANALTA TCPL PART OF ELRSL POOL NO.1 CONCURRENT PRODUCTION
						0.91		1951	1988	

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1 RAW GAS INITIAL VOLUME IN PLACE 10^6m^3	2 POOL RECOVERY frac	3 SURFACE LOSS frac	4 MARKETABLE GAS INITIAL ESTABLISHED RESERVES 10^6m^3	5 NET CUMULATIVE PRODUCTION 10^6m^3	6 REMAINING ESTABLISHED RESERVES 10^6m^3	7 GROSS HEAT VALUE MJ/m³	8 REMAINING ENERGY CONTENT TJ	9 AREA ha
WOKING 075-05W6									
BLUESKY B	435	0.80	0.05	331	204	127	38	4 848	861
OTHER	1 831			1 161	354	807		30 894	
TOTAL-WOKING	2 266			1 492	558	934		35 742	
WOLF 054-16W5									
TOTAL-WOLF	406			259		259		10 169	
WOLF SOUTH 051-15W5									
ROCK CREEK 11-051-15	596	0.80	0.05	453		453	39	17 549	200
OTHER	331			216		216		8 458	
TOTAL-WOLF SOUTH	927			669		669		26 007	
WOLVERINE 098-15W5									
TOTAL-WOLVERINE	187			110		110		3 842	
WOOD RIVER 043-23W4									
LOWER MANNVILLE B	545	0.80	0.10	392	244	148	41	6 055	394
OTHER	3 136			1 904	278	1 626		63 488	
TOTAL-WOOD RIVER	3 681			2 296	522	1 774		69 543	
WOODENHOUSE (SA) 087-22W4									
TOTAL-WOODENHOUSE	264			127		127		4 664	
WOODLAND 060-19W4									
TOTAL-WOODLAND	138			86	16	70		2 626	
WOOLFORD (SA) 003-24W4									
TOTAL-WOOLFORD	52			21		21		809	
WORKMAN 031-26W4									
TOTAL-WORKMAN	141			79	27	52		1 996	
WORSLEY 087-07W6									
D-3 A	761	0.85	0.07	602	514	88	37	3 254	1 367
D-3 B	827	0.90	0.07	692	682	10	36	365	1 726
D-3 D	1 520	0.85	0.07	1 202	1 202	< 1	34	-	440
D-3 E	817	0.75	0.05	582	582	< 1	35	-	400
D-3 G	1 803	0.40	0.05	685	685	< 1	37	-	1 351
GRANITE WASH A	540	0.85	0.10	413	413	< 1	37	-	128
OTHER	1 976			1 293	359	934		33 567	
TOTAL-WORSLEY	8 244			5 469	4 437	1 032		37 186	
WRENTHAM 006-16W4									
TOTAL-WRENTHAM	105			65	1	64		2 201	
WROE (SA) 056-25W5									
TOTAL-WROE	305			216		216		7 824	
YEKAU LAKE 052-26W4									
TOTAL-YEKAU LAKE	319			218	66	152		5 676	
YELLOWSTONE (SA) 071-13W5									
TOTAL-YELLOWSTONE	19			12		12		466	
YOUNGSTOWN 031-10W4									
TOTAL-YOUNGSTOWN	480			306	41	265		10 013	
ZAMA 118-05W6									
SULPHUR POINT H	490	0.85	0.25	313		313	41	12 986	507
SULPHUR POINT I	628	0.85	0.15	454		454	38	17 093	498
OTHER	9 407			5 498	613	4 885		185 737	
TOTAL-ZAMA	10 525			6 265	613	5 652		215 816	

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS
1.91	0.180	0.65	12 160	46	0.842	0.60	1 406.0	1959	1986	CWNGNUL PANALTA MATERIAL BALANCE
11.80	0.150	0.85	21 230	70	0.888	0.58	2 600.6	1981	1983	BER
5.24	0.156	0.70	10 470	51	0.794	0.75	1 418.5	1958	1979	TCPL MATERIAL BALANCE
8.53	0.059	0.80	22 820	85	0.904	0.67	2 253.1	1960	1969	MATERIAL BALANCE
17.14	0.063	0.80	22 380	83	0.908	0.65	2 212.6	1960	1984	WCOAST MATERIAL BALANCE
12.20	0.099	0.80	21 330	83	0.906	0.70	2 141.9	1961	1987	
15.85	0.109	0.85	21 230	76	0.906	0.66	2 299.3	1965	1987	
13.76	0.059	0.80	22 750	83	0.900	0.68	2 221.1	1959	1986	
25.00	0.176	0.85	20 340	91	0.907	0.65	2 263.7	1975	1988	
7.32	0.104	0.85	12 820	56	0.742	0.83	1 336.2	1966	1969	PROGAS
14.08	0.081	0.85	13 100	60	0.860	0.66	1 353.9	1968	1969	PROGAS

TABLE 4-5

FIELD AND/OR GAS STRIKE AREA POOL OR ZONE	1	2	3	4	5	6	7	8	9
	RAW GAS			MARKETABLE GAS					AREA
	INITIAL VOLUME IN PLACE 10^6m^3	POOL RECOVERY frac	SURFACE LOSS frac	INITIAL ESTABLISHED RESERVES 10^6m^3	NET CUMULATIVE PRODUCTION 10^6m^3	REMAINING ESTABLISHED RESERVES 10^6m^3	GROSS HEAT VALUE MJ/m^3	REMAINING ENERGY CONTENT TJ	ha
TOTAL NON-CONFIDENTIAL POOLS	5 224 495			3 080 329	1 463 537	1 616 792		62 182 415	
TOTAL CONFIDENTIAL POOLS	17 025			10 942		10 942		414 062	
PROVINCIAL TOTAL	5 241 520			3 091 271	1 463 537	1 627 734		62 596 477	
ETHANE AND NGL RECOVERABLE AT REPROCESSING PLANTS						54 000		4 300 000	
PROVINCIAL RESERVES MINUS ETHANE AND NGL						1 573 734		58 296 477	
WITHIN ECONOMIC REACH	5 138 055			3 029 364	1 463 537	1 565 827		60 253 185	
BEYOND ECONOMIC REACH	103 465			61 907		61 907		2 343 292	
ASSOCIATED	597 668			393 915[b]	327 655[b]	280 299		11 166 177	
SOLUTION	661 184			214 039[b]					
NON-ASSOCIATED	3 982 668			2 483 317	1 135 882	1 347 435		51 430 300	

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[a] MEASURED HEATING VALUE.
[b] INCLUDES SOLUTION GAS PRODUCTION.
[c] POOL RECOVERY AND SURFACE LOSS CALCULATED ON AN ENERGY BASIS. SEE TABLE 4-2.

10 AVERAGE PAY THICKNESS m	11 POROSITY frac	12 GAS SATN frac	13 INITIAL PRESSURE kPa	14 TEMP °C	15 COMPRESS frac	16 RAW GAS RELATIVE DENSITY frac	17 MEAN FORMATION DEPTH m	18 DISC YEAR	19 DATE LAST REVIEWED	20 DISPOSITION AND REMARKS

5 ETHANE CONTENT OF GAS

This chapter discusses the 1988 production of ethane and presents the Board's estimate of the total volume of ethane contained in the remaining established reserves of gas. Although the Board believes that ethane extraction at crude-oil refineries and at plants processing synthetic crude oil may become viable in the future, it has not attempted to estimate the prospective reserves from those sources. The effect of future ethane recovery at gas reprocessing plants on Alberta's remaining established reserves of marketable gas is discussed in Chapter 4.

Ethane is defined in the Oil and Gas Conservation Act as "in addition to its normal scientific meaning, a mixture mainly of ethane which ordinarily may contain some methane or propane". Although the 1988 ethane recovery data conform with this definition, the ethane reserve estimates are calculated on the basis of ethane product assumed to be 100 per cent ethane.

Ethane volumes are given in the standard unit of cubic metres of ethane liquid at equilibrium pressure and 15 degrees Celsius. However, in Table 5-1, ethane reserves are also given in cubic metres of ethane gas at 101.325 kilopascals and 15 degrees Celsius. A conversion factor of 0.003 55 cubic metres of ethane liquid per cubic metre of ethane gas is used.

5.1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS

The Board has developed a computer file of compositional gas analyses, which has been used extensively in preparing the ethane reserve figures in this section. Where a gas analysis was not available for a particular pool, a field or area average for the zone was used.

As shown in Table 5-1, the ethane content in liquefied form of the total remaining established reserves of marketable gas is some 313 million cubic metres, some 207 million of which is in currently producing pools and the remaining 106 million in unconnected or deferred pools. Of the ethane content in unconnected pools, some 9.3 million cubic metres is in pools currently considered beyond economic reach and some 1.8 million in confidential pools. These reserves exclude volumes recoverable from solvent flood production.

The Board has also estimated the contribution to reserves of the ethane component of the solvent bank injected into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the solvent bank recoverable from each pool. An evaluation of both the injected and reproduced solvent volumes has resulted in the Board's estimates of the ethane volume recoverable from solvent floods. The 1988 estimate of ethane "Recoverable from Solvent Floods" (as stated at the end of Table 5-1) excludes volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

For individual gas pools, the ethane content of marketable gas in Alberta, with few exceptions, falls within the range of 0.0025 mole per mole to 0.20 mole per mole. The 31 December 1988 volume-weighted average ethane content of all remaining established marketable gas is 0.054 mole per mole, as indicated in Table 5-1.

5.2 EXTRACTION OF SPECIFICATION ETHANE IN 1988

During 1988 there was a significant decrease in specification ethane extracted at the Petro-Canada Empress plant, offset by a significant increase in ethane extraction at the Dome Empress plant. Overall, the extraction of specification ethane increased from 7070 thousand cubic metres in 1987 to 7597 thousand cubic metres in 1988.

5.3 EXTRACTION OF ETHANE-PLUS PRODUCT IN 1988

Prior to 1986 ethane plus was not reported as a separate product, but rather was reported as NGL mix. However, beginning in 1986, the Board required that NGL mix with a high ethane content be reported as ethane-plus product. The total provincial extraction of ethane plus for 1988 was 3307 thousand cubic metres with an estimated ethane content of approximately 0.76 mole per mole.

TABLE 5-1 ETHANE IN THE REMAINING ESTABLISHED RESERVES OF GAS

As at 31 December 1988

	1	2	3	4
Fields	**Remaining Established Reserves of Marketable Gas**	**Ethane Content[a]**	**Volume of Ethane**	
	10^6 m^3	mol/mol	10^6 m^3 (gas)	10^6 m^3 (liquid)
Major Fields				
Bonnie Glen	13 777	0.155	2 140	7.60
Brazeau River	26 945	0.081	2 170	7.70
Caroline	39 164	0.152	5 937	21.08
Cranberry	9 567	0.100	961	3.41
Elmworth	30 113	0.068	2 055	7.30
Garrington	10 010	0.097	974	3.46
Gilby	13 801	0.090	1 241	4.41
Harmattan East	14 885	0.089	1 322	4.69
Harmattan-Elkton	18 465	0.087	1 600	5.68
Jumping Pound West	29 780	0.041	1 209	4.29
Karr	9 084	0.091	829	2.94
Kaybob South	32 367	0.127	4 095	14.54
Leduc-Woodbend	12 342	0.131	1 622	5.76
Medicine River	11 084	0.094	1 044	3.71
Pembina	29 436	0.088	2 582	9.17
Rainbow	15 822	0.103	1 637	5.81
Ricinus	22 049	0.087	1 910	6.78
Sylvan Lake	12 905	0.094	1 210	4.30
Valhalla	11 096	0.079	873	3.10
Waterton	17 727	0.046	817	2.90
Wapiti	18 378	0.066	1 217	4.32
Westerose South	14 039	0.091	1 275	4.53
Willesden Green	13 337	0.103	1 380	4.90
Wizard Lake	7 703	0.164	1 262	4.48
Subtotal	433 876	0.095	41 362	147

TABLE 5-1 (continued)

Fields	1 Remaining Established Reserves of Marketable Gas 10^6 m^3	2 Ethane Content[a] mol/mol	3 Volume of Ethane 10^6 m^3 (gas)	4 10^6 m^3 (liquid)
Fields with over 1.50 x 10^9 m^3 of remaining established marketable gas but under 3.0 x 10^6 m^3 of ethane reserves	910 433	0.039	32 349	125
Subtotal	1 344 309	0.057	76 711	272
All other remaining established reserves of marketable gas	283 425	0.041	11 552	41
Total	1 627 734	0.054	88 263	313
Recoverable from Solvent Flood			2 254	8
Provincial Total			90 517	321
			(3 213)[b]	(2 032)[c]

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[a] Volume-weighted average. In several fields, ethane is extracted at field plants such that the actual ethane content of marketable gas from these fields is substantially less than this calculated content.

[b] Imperial equivalent in billions of cubic feet.

[c] Imperial equivalent in millions of barrels.

6 RESERVES OF NATURAL GAS LIQUIDS

Natural gas liquids are defined in the Oil and Gas Conservation Act as "propane, butanes, or pentanes plus, or a combination of them, obtained from the processing of raw gas or condensate". For the purposes of this report, condensate recovered in stock tanks and marketed without processing is included in the reserves of pentanes plus. Also included in the pentanes plus category are higher-vapour-pressure products that contain substantial quantities of butanes recovered at several plants throughout the province.

6.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of natural gas liquids in the province as at 31 December 1988 to be 326 million cubic metres. Natural gas liquids from most unconnected and deferred pools were not included in reports issued before 1981. Thus, the 1981 and subsequent-year reserve additions should not be compared directly with additions shown in pre-1981 reports. The changes in the reserves during the past year are tabulated below:

	Established Reserves[a]			
	10^6 m^3 (liquid)			
	Propane	**Butanes**	**Pentanes Plus**	**Total**
Remaining at 31 December 1987	125.4	73.0	129.4	327.8
Additions during 1988	4.4	3.3	6.0	13.7
Less net production[b] during 1988	5.6	3.3	6.4	15.3
Remaining at 31 December 1988	124.2	73.0	129.0	326.2
	(782.6)[c]	(459.8)[c]	(811.7)[c]	(2 054.1)[c]
Cumulative net production[b] to 31 December 1988	106.2	66.8	171.3	344.3
Initial established reserves at 31 December 1988	230.4	139.8	300.3	670.5
	(1 451.6)[c]	(880.4)[c]	(1 889.8)[c]	(4 221.8)[c]

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[a] Discrepancies are due to rounding.

[b] Net production means production less those volumes returned to the formation or injected to enhance the recovery of oil.

[c] Imperial equivalent in millions of barrels.

Also during 1988, propane and butane recovery at crude-oil refineries was 320.6 and 536.2 thousand cubic metres, respectively. Although propane and butanes are potentially recoverable at other crude-oil refineries and from processing crude bitumen, the Board has not attempted to estimate the prospective reserves from those sources.

6.2 MAJOR CHANGES TO RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

During 1988, the Board re-evaluated the remaining established reserves of gas in several pools, which resulted in changes in the remaining established reserves of natural gas liquids. The most significant increases in the remaining established reserves of natural gas liquids occurred within the Caroline and Ricinus fields, due to the re-evaluation and addition to the initial established reserves of gas. The most significant decreases occurred in the Rainbow and Waterton fields, primarily because of re-evaluated liquid recovery ratios and production. The overall result was a net decrease in the remaining reserves of natural gas liquids, compared to 1987 levels.

6.3 DETERMINATION OF RECOVERABLE RESERVES OF NATURAL GAS LIQUIDS

The remaining established reserves of natural gas liquids consist of liquids that are expected to be extracted from the province's remaining established reserves of raw gas. The liquids recoverable from pools currently producing and connected to gas processing plants were generally determined using remaining recoverable raw-gas reserves, a raw-gas analysis, and the current plant recovery efficiency for each component. For retrograde condensate pools where dry gas is cycled, product recoveries have been determined from individual reservoir studies having regard for anticipated future cycling and blowdown operations.

For those pools not currently connected or on production, the Board estimated whether or not the gas would be processed for liquid recovery and, if so, the recovery efficiency for each component. This estimate was made on a broad judgement basis having regard for the gas composition in those pools. Confidential reserves and those considered beyond economic reach are included in the unconnected-reserve category.

The natural gas liquid reserves recoverable at reprocessing plants have been estimated by multiplying the remaining marketable gas reserves by the historic ratio of liquid production to marketable gas production. This assumes that both the liquid content of marketable gas and the portion of marketable gas to be reprocessed will remain constant. The Board believes that the approach gives a reasonable indication of the natural gas liquids recoverable at reprocessing plants.

The Board has also estimated the reserves of natural gas liquids being injected as solvent into several pools throughout the province to enhance oil recovery. Pool recovery factors based on Board studies were used to estimate the portion of such solvent recoverable from each pool. Plant recovery factors of 85 per cent for propane, 95 per cent for butanes, and 100 per cent for pentanes plus were then applied to the pool recoveries to determine the reserves of natural gas liquids recoverable from solvent-flood schemes. A re-evaluation of both the injected and reproduced solvent volumes has resulted in changes in the Board's estimates of volumes recoverable from solvent floods. The 1988 estimates of natural gas liquids "Recoverable from Solvent Floods" (as stated at the end of Table 6-1) exclude volumes contained in push gas as these volumes are included under the individual pool reserve estimates.

The following table shows the natural gas liquid reserves broken down into connected and unconnected categories. These reserves exclude volumes recoverable at reprocessing plants and from solvent-flood production.

Remaining Established Reserves
As at 31 December 1988

10^6 m^3 (liquid)

	Propane	**Butanes**	**Pentanes Plus**	**Total**
Connected	45.5	36.0	85.7	167.2
Unconnected	26.9	15.6	33.9	76.4
Total	72.4	51.6	119.6	243.6

6.4 DISCUSSION OF RESERVES TABLE 6-1

The Board's current estimates of the remaining established reserves of natural gas liquids are detailed in Table 6-1. Fields containing 800 000 cubic metres or more of recoverable liquids are listed individually and those containing less are grouped under the "Beyond Economic Reach", "Confidential", and "Other Small Reserves" categories. Provincial reserves recoverable at reprocessing plants and from solvent-flood schemes are not included in the reserves for the individual pools but are shown as totals at the end of the table.

TABLE 6-1 REMAINING ESTABLISHED RESERVES OF NATURAL GAS LIQUIDS
As at 31 December 1988

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Ansell	Cardium	1 662	90	54	191	150	90	317	557
	Viking	435	34	14	87	15	6	38	59
	Mannville	2 034	33	26	81	67	53	164	284
	Jurassic	38	105	53	105	4	2	4	10
	Mississippian	863	5	1	5	4	1	4	9
	Subtotal					240	152	527	919
Bigoray	Cardium	26	154	154	231	4	4	6	14
	Mannville	1 992	85	49	107	170	98	214	482
	Jurassic	426	108	54	61	46	23	26	95
	Mississippian	432	42	23	46	18	10	20	48
	Winterburn	280	457	243	143	128	68	40	236
	Subtotal					366	203	306	875
Bigstone	Dunvegan	2 767	141	66	72	390	182	198	770
	Mannville	182	—	—	49	—	—	9	9
	Wabamun	116	164	86	95	19	10	11	40
	Subtotal					409	192	218	819
Bonnie Glen	Cardium	94	213	149	106	20	14	10	44
	Mannville	704	105	51	33	74	36	23	133
	Winterburn	189	116	58	42	22	11	8	41
	Leduc[a]	12 766	—	—	—	716	699	1 860	3 275
	Subtotal					832	760	1 901	3 493
Brazeau River	Cretaceous	2 670	85	42	170	227	113	454	794
	Jurassic	1 871	154	87	147	289	162	275	726
	Mississippian	12 281	—	—	67	—	—	822	822
	Winterburn[a]	10 120	—	—	—	1 219	1 304	6 593	9 116
	Subtotal					1 735	1 579	8 144	11 458
Caroline	Cardium	1 314	126	80	91	165	105	120	390
	Viking	1 378	46	46	105	64	63	144	271
	Mannville	14 294	75	59	151	1 065	837	2 155	4 057
	Jurassic	111	135	81	117	15	9	13	37
	Mississippian	763	48	56	227	37	43	173	253
	Leduc	140	114	86	150	16	12	21	49
	Beaverhill Lake	20 975	259	337	866	5 440	7 070	18 170	30 680
	Subtotal					6 802	8 139	20 796	35 737

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4	5	6 Remaining Established Reserves of Natural Gas Liquids	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$\mathrm{m}^3/10^6$ m^3 of marketable gas			10^3 m^3			
Carrot Creek	Cardium	340	53	38	100	18	13	34	65
	Mannville	1 676	96	73	119	161	123	199	483
	Jurassic	1 417	114	61	108	162	86	153	401
	Subtotal					341	222	386	949
Carson Creek	Beaverhill Lake[a]	2 650	—	—	—	22	166	1 052	1 240
	Subtotal					22	166	1 052	1 240
Clive	Viking	222	86	50	86	19	11	19	49
	Mannville	801	134	74	159	107	59	127	293
	Winterburn	586	147	119	128	86	70	75	231
	Leduc	828	178	174	332	147	144	275	566
	Subtotal					359	284	496	1 139
Cranberry	Beaverhill Lake	7 767	62	63	252	483	493	1 957	2 933
	Elk Point	553	—	—	76	—	—	42	42
	Subtotal					483	493	1 999	2 975
Crossfield	Viking	147	54	27	143	8	4	21	33
	Mannville	1 250	70	50	135	88	62	169	319
	Jurassic	69	130	72	116	9	5	8	22
	Mississippian[a]	7 428	—	—	—	677	558	1 188	2 423
	Wabamun	2 748	7	7	22	20	18	60	98
	Subtotal					802	647	1 446	2 895
Dunvegan	Triassic	223	63	36	72	14	8	16	38
	Mississippian	11 626	44	41	68	512	474	796	1 782
	Subtotal					526	482	812	1 820
Edson	Cardium	844	111	76	178	94	64	150	308
	2nd White Specks	167	156	90	198	26	15	33	74
	Viking	2 452	9	3	53	23	8	130	161
	Mannville	2 692	89	45	100	240	122	270	632
	Jurassic	481	166	98	385	80	47	185	312
	Mississippian	6 196	—	—	36	—	—	226	226
	Subtotal					463	256	994	1 713

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Elmworth	Cadotte	2 699	32	14	21	87	39	57	183
	Cardium	599	155	75	72	93	45	43	181
	Mannville	23 462	58	26	48	1 359	602	1 122	3 083
	Jurassic	1 710	4	2	42	6	3	72	81
	Triassic	1 034	123	75	184	127	78	190	395
	Subtotal					1 672	767	1 484	3 923
Ferrier	Belly River	257	136	58	39	35	15	10	60
	Cardium	5 074	111	71	182	561	360	923	1 844
	Viking	307	114	62	107	35	19	33	87
	Mannville	2 087	54	29	118	113	61	247	421
	Jurassic	78	128	64	90	10	5	7	22
	Mississippian	1 339	3	1	137	4	2	183	189
	Subtotal					758	462	1 403	2 623
Fir	Cardium	98	133	61	102	13	6	10	29
	Dunvegan	629	135	65	148	85	41	93	219
	Mannville	1 729	19	9	162	33	16	280	329
	Jurassic	473	—	—	359	—	—	170	170
	Triassic	4 995	9	6	21	47	29	107	183
	Mississippian	221	—	—	45	—	—	10	10
	Subtotal					178	92	670	940
Garrington	Cardium	173	81	52	301	14	9	52	75
	Viking	1 345	88	56	125	118	75	168	361
	Mannville	4 149	123	81	128	510	337	529	1 376
	Jurassic	818	103	66	180	84	54	147	285
	Mississippian	1 206	102	62	115	123	75	139	337
	Wabamun	1 449	107	86	156	155	125	226	506
	Leduc	838	149	92	217	125	77	182	384
	Subtotal					1 129	752	1 443	3 324
Ghost Pine	Viking	115	—	9	70	—	1	8	9
	Mannville	4 791	49	33	82	236	160	393	788
	Mississippian	472	49	30	66	23	14	31	68
	Subtotal					259	175	431	865

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Gilby	Cardium	427	—	—	417	—	—	178	178
	Mannville	5 770	75	46	86	433	266	496	1 195
	Jurassic	5 193	69	45	73	358	234	381	973
	Mississippian	1 972	97	53	95	192	105	188	485
	Wabamun	52	135	58	58	7	3	3	13
	Subtotal					990	608	1 246	2 844
Gold Creek	Upper Cretaceous	62	81	48	48	5	3	3	11
	Mannville	1 658	86	40	83	143	66	138	347
	Triassic	190	158	84	74	30	16	14	60
	Wabamun	1 536	—	—	486	—	—	747	747
	Subtotal					178	85	902	1 165
Harmattan-Elkton	Cardium	39	205	103	128	8	4	5	17
	Mannville	59	119	68	102	7	4	6	17
	Mississippian[a]	18 262	—	—	—	576	475	1 382	2 433
	Subtotal					591	483	1 393	2 467
Hussar	Viking	1 025	7	4	15	7	4	15	26
	Basal Colorado	207	10	5	10	2	1	2	5
	Mannville	7 110	66	47	51	469	337	366	1 172
	Mississippian	53	94	57	38	5	3	2	10
	Subtotal					483	345	385	1 213
Judy Creek	Viking	301	7	7	73	2	2	22	26
	Beaverhill Lake	2 130	335	178	237	713	379	504	1 596
	Subtotal					715	381	526	1 622
Jumping Pound West	Mississippian	29 779	26	24	79	788	717	2 367	3 872
	Subtotal					788	717	2 367	3 872

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Karr	Upper Cretaceous	266	11	8	60	3	2	16	21
	Mannville	8 320	50	51	179	417	425	1 486	2 328
	Jurassic	212	61	33	38	13	7	8	28
	Subtotal					433	434	1 510	2 377
Kaybob	Viking	632	33	24	41	21	15	26	62
	Mannville	5 850	40	24	41	233	138	239	610
	Wabamun	16	125	63	63	2	1	1	4
	Beaverhill Lake[a]	2 403	—	—	—	501	368	621	1 490
	Subtotal					757	522	887	2 166
Kaybob South	Viking	262	84	38	46	22	10	12	44
	Mannville	6 429	13	5	90	83	33	579	695
	Jurassic	335	45	24	84	15	8	28	51
	Triassic	1 731	168	84	127	291	145	219	655
	Winterburn	740	66	58	130	49	43	96	188
	Beaverhill Lake[a]	22 232	—	—	—	482	1 542	5 033	7 057
	Subtotal					942	1 781	5 967	8 690
Leduc-Woodbend	Cardium	195	77	41	26	15	8	5	28
	Viking	300	—	—	33	—	—	10	10
	Mannville	2 870	116	54	49	333	154	140	627
	Wabamun	880	116	64	53	102	56	47	205
	Winterburn	206	267	146	194	55	30	40	125
	Leduc	7 861	98	102	52	770	802	409	1 981
	Subtotal					1 275	1 050	651	2 976
Leedale	Mannville	1 444	136	71	102	197	103	148	448
	Jurassic	212	38	19	226	8	4	48	60
	Mississippian	1 571	110	66	146	173	103	229	505
	Subtotal					378	210	425	1 013

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Medicine River	Viking	53	170	113	113	9	6	6	21
	Mannville	5 683	117	65	65	664	369	372	1 405
	Jurassic	2 289	76	48	58	174	111	133	418
	Mississippian	2 774	105	67	94	290	185	261	736
	Leduc	249	165	120	325	41	30	81	152
	Subtotal					1 178	701	853	2 732
Minehead	Belly River	20	150	50	150	3	1	3	7
	Cardium	2 289	113	74	297	258	170	680	1 108
	Mississippian	93	129	75	118	12	7	11	30
	Subtotal					273	178	694	1 145
Minnehik-Buck Lake	Belly River	378	114	56	85	43	21	32	96
	Cardium	166	205	108	102	34	18	17	69
	Mannville	412	102	51	73	42	21	30	93
	Jurassic	278	61	29	68	17	8	19	44
	Mississippian	5 849	46	26	77	270	152	450	872
	Subtotal					406	220	548	1 174
Mitsue	Gilwood	1 738	482	296	152	838	514	264	1 616
	Subtotal					838	514	264	1 616
Moose	Mississippian	2 280	79	63	229	179	143	521	843
	Subtotal					179	143	521	843
Niton	Mannville	5 792	46	28	154	268	160	893	1 321
	Jurassic	632	66	40	57	42	25	36	103
	Subtotal					310	185	929	1 424
Paddle River	Mannville	420	114	81	310	48	34	130	212
	Jurassic	1 780	164	80	76	292	142	136	570
	Mississippian	895	106	57	89	95	51	80	226
	Subtotal					435	227	346	1 008

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	Zone	Remaining Reserves of Marketable Gas	Liquid Recovery Ratio			Remaining Established Reserves of Natural Gas Liquids			
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Peco	Belly River	434	157	71	124	68	31	54	153
	Cardium	94	96	53	96	9	5	9	23
	Viking	232	108	60	103	25	14	24	63
	Mannville	1 963	93	59	317	182	116	623	921
	Jurassic	1 207	120	58	59	145	70	71	286
	Winterburn	871	33	72	243	29	63	212	304
	Subtotal					458	299	993	1 750
Pembina	Belly River	4 327	80	58	98	344	252	422	1 018
	Cardium	10 271	177	109	90	1 822	1 116	924	3 862
	Viking	563	135	62	43	76	35	24	135
	Mannville	7 399	156	60	74	1 151	446	549	2 146
	Jurassic	1 581	96	51	102	151	81	161	393
	Mississippian	1 476	116	71	83	171	105	122	398
	Winterburn	3 794	274	135	96	1 041	513	366	1 920
	Subtotal					4 756	2 548	2 568	9 872
Progress	Triassic	4 044	81	56	114	328	226	462	1 016
	Subtotal					328	226	462	1 016
Quirk Creek	Mississippian	3 171	84	63	141	265	199	448	912
	Subtotal					265	199	448	912
Rainbow	Mannville	3 031	9	6	6	27	17	17	61
	Slave Point	820	123	74	84	101	61	69	231
	Sulphur Point	1 371	102	62	96	140	85	132	357
	Muskeg	667	246	123	94	164	82	63	309
	Keg River	9 850	275	141	143	2 704	1 389	1 407	5 500
	Subtotal					3 136	1 634	1 688	6 458
Ricinus	Cardium[a]	15 529	—	—	—	1 534	883	2 101	4 518
	Viking	3 656	58	33	87	212	119	319	650
	Winterburn	250	96	108	84	24	27	21	72
	Leduc	2 440	—	—	2	—	—	5	5
	Subtotal					1 770	1 029	2 446	5 245

TABLE 6-1 (continued)

	1	2	3	4	5	6	7	8	9
Field	**Zone**	**Remaining Reserves of Marketable Gas**	**Liquid Recovery Ratio**			**Remaining Established Reserves of Natural Gas Liquids**			
			Propane	**Butanes**	**Pentanes Plus**	**Propane**	**Butanes**	**Pentanes Plus**	**Total**
		10^6 m^3	m^3/10^6 m^3 of marketable gas			10^3 m^3			
Shekilie	Beaverhill Lake	145	21	14	28	3	2	4	9
	Sulphur Point	583	96	67	72	56	39	42	137
	Muskeg	167	90	60	84	15	10	14	39
	Elk Point	24	208	125	125	5	3	3	11
	Keg River	1 950	200	125	125	390	244	243	877
	Subtotal					469	298	306	1 073
Sinclair	Upper Cretaceous	1 995	49	23	62	98	46	123	267
	Mannville	5 233	32	17	24	168	89	126	383
	Jurassic	500	126	56	92	63	28	46	137
	Subtotal					329	163	295	787
Strachan	Cardium	73	164	82	82	12	6	6	24
	Mannville	1 745	26	11	72	45	19	126	190
	Jurassic	78	103	51	26	8	4	2	14
	Leduc	4 568	53	49	203	242	225	926	1 393
	Subtotal					307	254	1 060	1 621
Swan Hills	Beaverhill Lake	1 829	694	425	232	1 269	777	424	2 470
	Subtotal					1 269	777	424	2 470
Swan Hills South	Beaverhill Lake	1 274	691	457	293	880	582	373	1 835
	Subtotal					880	582	373	1 835
Sylvan Lake	Viking	317	155	117	120	49	37	38	124
	Mannville	6 914	105	65	83	723	449	571	1 743
	Jurassic	1 855	116	78	69	216	144	128	488
	Mississippian	2 783	92	59	85	256	164	236	656
	Leduc	966	115	91	218	111	88	211	410
	Subtotal					1 355	882	1 184	3 421
Twining	Viking	722	33	15	60	24	11	43	78
	Mannville	1 118	58	46	70	65	51	78	194
	Mississippian	6 277	47	47	78	297	294	489	1 080
	Subtotal					386	356	610	1 352

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio	4	5	6 Remaining Established Reserves of Natural Gas Liquids	7	8	9
			Propane	Butanes	Pentanes Plus	Propane	Butanes	Pentanes Plus	Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Valhalla	Doe Creek	2 879	23	11	26	66	32	76	174
	Mannville	1 399	34	15	29	47	21	40	108
	Jurassic	56	125	71	107	7	4	6	17
	Triassic[a]	6 040	—	—	—	966	631	1 470	3 067
	Subtotal					1 086	688	1 592	3 366
Waterton	Cardium	140	121	71	179	17	10	25	52
	Mannville	274	80	40	62	22	11	17	50
	Mississippian[a]	15 857	—	—	—	668	859	3 880	5 407
	Subtotal					707	880	3 922	5 509
Wembley	Upper Cretaceous	322	31	12	43	10	4	14	28
	Triassic[a]	6 949	—	—	—	1 028	607	1 401	3 036
	Subtotal					1 038	611	1 415	3 064
Westerose	Mannville	2 622	138	71	95	362	186	249	797
	Winterburn	32	156	63	31	5	2	1	8
	Leduc	3 595	233	144	168	837	518	605	1 960
	Subtotal					1 204	706	855	2 765
Westerose South	Mannville	13 048	151	77	94	1 968	1 005	1 227	4 200
	Mississippian	269	134	67	71	36	18	19	73
	Wabamun	288	—	—	38	—	—	11	11
	Leduc	218	156	110	266	34	24	58	116
	Subtotal					2 038	1 047	1 315	4 400
Westpem	Mannville	889	161	93	55	143	83	49	275
	Jurassic	146	137	82	116	20	12	17	49
	Winterburn[a]	2 120	—	—	—	325	240	441	1 006
	Subtotal					488	335	507	1 330
Willesden Green	Belly River	1 643	131	79	74	215	129	121	465
	Cardium	3 172	100	74	105	316	236	334	886
	Viking	665	174	102	107	116	68	71	255
	Mannville	6 834	144	82	176	981	557	1 206	2 744
	Jurassic	667	279	201	133	186	134	89	409
	Mississippian	282	96	57	89	27	16	25	68
	Subtotal					1 841	1 140	1 846	4 827

TABLE 6-1 (continued)

Field	1 Zone	2 Remaining Reserves of Marketable Gas	3 Liquid Recovery Ratio Propane	4 Butanes	5 Pentanes Plus	6 Remaining Established Reserves of Natural Gas Liquids Propane	7 Butanes	8 Pentanes Plus	9 Total
		10^6 m^3	$m^3/10^6$ m^3 of marketable gas			10^3 m^3			
Wizard Lake	Mannville	175	114	57	63	20	10	11	41
	Winterburn	15	200	133	67	3	2	1	6
	Leduc	7 461	346	199	60	2 582	1 485	448	4 515
	Subtotal					2 605	1 497	460	4 562
Zama	Beaverhill Lake	1 308	7	5	47	9	7	61	77
	Sulphur Point	3 613	95	63	90	342	228	326	896
	Muskeg	137	146	95	109	20	13	15	48
	Keg River	592	159	101	106	94	60	63	217
	Subtotal					465	308	465	1 238
Subtotal						55 705	41 066	90 156	186 927
Reserves Beyond Economic Reach						2 167	1 283	3 406	6 856
Confidential Reserves						404	213	529	1 146
Other Small Reserves						14 129	9 006	25 503	48 638
Subtotal						72 405	51 568	119 594	243 567
Recoverable at Reprocessing Plants						47 700	18 940	8 060	74 700
Recoverable from Solvent Floods						4 110	2 510	1 340	7 960
Total Reserves						124 215	73 018	128 994	326 227
						(782.6)[b]	(459.8)[b]	(811.7)[b]	(2 054.1)[b]

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[a] Includes gas cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. Liquid recovery ratios are not included due to those parameters changing with time.

[b] Imperial equivalent in millions of barrels.

7 RESERVES OF SULPHUR

7.1 PROVINCIAL SUMMARY

The Board estimates the remaining established reserves of elemental sulphur in the province as at 31 December 1988 to be some 102 million tonnes. The changes in sulphur reserves during the past year are as follows:

	Established Sulphur Reserves from Natural Gas	Established[a] Sulphur Reserves from Crude Bitumen	Total Established Sulphur Reserves
	10^6 t	10^6 t	10^6 t
Remaining at 31 December 1987	87.0	14.7	101.7
Additions during 1988	6.1	0.2	6.3
Production during 1988	5.1	0.5	5.6
Remaining at 31 December 1988	88.0 (86.6)[b]	14.4 (14.2)[b]	102.4 (100.8)[b]
Cumulative net production to 31 December 1988	124.2	4.2	128.4
Initial established reserves at 31 December 1988	212.2 (208.8)[b]	18.6 (18.3)[b]	230.8 (227.2)[b]

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[a] Recoverable reserves of elemental sulphur under active development at Suncor and Syncrude plants.

[b] Imperial equivalent in millions of long tons.

7.2 SULPHUR FROM NATURAL GAS

Of the cumulative net production of 124.2 million tonnes at year-end 1988, some 4.6 million were stockpiled at various gas plants in the province. Over the years, stockpiling reflected a lack of markets for a portion of the production and, in part, a shortage of slating, loading, and transportation facilities and limited ocean-terminal storage capacity. However, with improved sulphur markets, producers have reduced their stockpiles to meet the increase in demand. Consequently, the sulphur stockpiled at year-end 1988 was some 2.1 million tonnes less than at year-end 1987.

The Board's estimates of remaining established reserves of sulphur recoverable from gas have been prepared by applying the appropriate hydrogen sulphide (H_2S) content and sulphur recovery efficiency to the remaining established reserves of raw gas in each pool. Where sulphur is currently being recovered, historical recovery efficiencies have been used. Where sulphur recovery is anticipated from gas reserves not yet being produced, the recovery efficiency has been estimated on the basis of the minimum sulphur recovery efficiency guidelines published in the Board's Informational Letter IL 88-13. The remaining established reserves of sulphur for cycling schemes were determined from a detailed assessment of each pool and, because the H_2S content in the gas changes with time, only the remaining reserves are reported.

Of the 88.0 million tonnes of remaining sulphur recoverable from gas, some 70.8 million are in currently producing pools and the remaining 17.2 million are in unconnected pools. The unconnected reserves include some 6.2 million tonnes in pools considered beyond economic reach.

The Board's reserve estimates are shown in Table 7-1. Fields containing 800 000 tonnes or more of recoverable sulphur are listed individually and those containing less are grouped under "Other Small Reserves". The remaining established reserves of sulphur for 1988 have increased sufficiently to offset production as a result of the re-evaluation of reserves in the Caroline Beaverhill Lake A Pool. A reduction of sulphur reserves in the Waterton and Okotoks fields occurred primarily because of production and re-evaluation of reserves.

7.3 SULPHUR FROM CRUDE BITUMEN

Crude bitumen in oil sands deposits contains significant amounts of sulphur. During the conversion of crude bitumen into synthetic crude oil, approximately 79 per cent of the sulphur contained in the crude bitumen is either recovered in the form of elemental sulphur or remains in products including coke.

It is currently estimated that some 150 million tonnes of elemental sulphur will be recoverable from the 5.2 billion cubic metres of remaining established crude bitumen reserves in the surface-mineable area. These sulphur reserves were estimated by multiplying the remaining established reserves of crude bitumen by a factor of 28.9 tonnes per thousand cubic metres of crude bitumen. This ratio was based on recent experience at existing bitumen synthetic-crude-oil plants. Earlier Board estimates of the sulphur recoverable from bitumen included both the sulphur in coke and that recoverable as elemental sulphur. The above estimate includes only the elemental sulphur expected to be produced in recovering the synthetic crude oil.

7.4 SULPHUR FROM CRUDE BITUMEN RESERVES UNDER ACTIVE DEVELOPMENT

Only a portion of the surface-mineable established reserves of crude bitumen are under active development at the approved Suncor and Syncrude projects. The initial established reserves of elemental sulphur for the Suncor and Syncrude plants are 18.6 million tonnes, of which 4.2 million tonnes have been produced leaving a remaining established reserve of elemental sulphur of 14.4 million tonnes. During 1988, 476 195 tonnes of sulphur were recovered at bitumen synthetic-crude-oil plants.

The changes in established sulphur reserves during 1988 are summarized in Section 7.1.

TABLE 7-1 REMAINING ESTABLISHED RESERVES OF SULPHUR
As at 31 December 1988

Field	1 Zone	2 Remaining Established Reserves of Raw Gas 10^6 m^3	3 H_2S Content[a] mol/mol	4 Recovery Efficiency[b] percentage	5 Remaining Established Reserves of Sulphur 10^3 tonnes
Blackstone	Beaverhill Lake	12 996	0.107	99	1 870
	Subtotal				1 870
Brazeau River	Mississippian	13 022	0.010	95	169
	Nisku[c]	—	—	—	2 405
	Subtotal				2 574
Burnt Timber	Mississippian	7 412	0.079	96	763
	Wabamun	1 900	0.304	96	752
	Subtotal				1 515
Caroline	Nisku[d]	246	0.518	100	172
	Leduc[d]	2 265	0.831	100	2 548
	Beaverhill Lake	46 611	0.369	100	23 275
	Subtotal				25 995
Coleman	Mississippian	1 854	0.279	96	673
	Wabamun	1 347	0.279	96	489
	Subtotal				1 162
Crossfield	Mannville	901	0.007	99	9
	Mississippian	8 124	0.007	99	74
	Wabamun	5 722	0.317	99	2 438
	Subtotal				2 521
Crossfield East	Wabamun	6 195	0.343	99	2 856
	Subtotal				2 856
Hanlan	Nisku	465	0.051	99	32
	Beaverhill Lake	26 661	0.091	99	3 241
	Subtotal				3 273
Jumping Pound West	Mississippian	37 032	0.065	97	3 167
	Subtotal				3 167
Kaybob South	Triassic	2 084	0.006	98	17
	Nisku	958	0.189	98	241
	Beaverhill Lake[c]	—	—	—	2 926
	Subtotal				3 184

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas	3 H_2S Content[a]	4 Recovery Efficiency[b]	5 Remaining Established Reserves of Sulphur
		10^6 m^3	mol/mol	percentage	10^3 tonnes
Limestone	Mississippian	7 664	0.048	99	495
	Wabamun	4 630	0.175	99	1 087
	Nisku	486	0.141	99	92
	Leduc	1 348	0.173	99	313
	Subtotal				1 987
Moose	Mississippian	3 019	0.112	98	450
	Wabamun	1 478	0.438	97	852
	Subtotal				1 302
Obed	Nisku	2 505	0.242	98	804
	Leduc	1 818	0.313	98	757
	Subtotal				1 561
Okotoks	Mississippian	232	0.020	95	6
	Wabamun	5 270	0.342	99	2 422
	Subtotal				2 428
Panther River	Mississippian	2 812	0.079	99	298
	Wabamun[d]	883	0.684	99	811
	Nisku[d]	476	0.704	99	450
	Subtotal				1 559
Pine Creek	Jurassic	2 957	0.002	96	6
	Mississippian	225	0.024	96	7
	Wabamun	1 801	0.277	98	662
	Leduc	890	0.252	98	298
	Subtotal				973
Ricinus	Nisku	683	0.317	96	282
	Leduc	4 202	0.307	99	1 730
	Subtotal				2 012
Ricinus West	Leduc	7 338	0.332	99	3 270
	Subtotal				3 270
Strachan	Leduc	6 063	0.095	99	771
	Subtotal				771
Waterton	Mississippian	12 534	0.237	99	3 980
	Wabamun	1 855	0.137	96	332
	Rundle-Wabamun[c]	—	—	—	3 459
	Subtotal				7 771

TABLE 7-1 (continued)

Field	1 Zone	2 Remaining Established Reserves of Raw Gas	3 H_2S Content[a]	4 Recovery Efficiency[b]	5 Remaining Established Reserves of Sulphur
		10^6 m^3	mol/mol	percentage	10^3 tonnes
Windfall	Mannville	6	0.129	95	1
	Mississippian	493	0.040	98	26
	Nisku	597	0.122	95	94
	Leduc[c]	—	—	—	974
	Subtotal				1 095
Subtotal					72 846
Other Small Reserves					15 133
Total Reserves					87 979
					(86 589)[e]

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[a] Volume-weighted average.

[b] All recovery efficiencies are rounded to the nearest whole percentage.

[c] Includes gas-cycling pool. Gas reserves calculated on an energy basis. See Table 4-2. H_2S content is not included because of gas composition changing with time.

[d] Currently considered beyond economic reach.

[e] Imperial equivalent in thousands of long tons.

8 ULTIMATE POTENTIAL

In early 1989 the Board issued ERCB Report 88-E[1] which provided a forecast of Alberta oil supply from all sources for the period 1988 to 2003. The following sections abstract from this report. The values for ultimate potential for all resources are approximate.

8.1 CONVENTIONAL CRUDE OIL

The ultimate potential of crude oil and equivalent, estimated on the basis of Board studies, is presented in Report 88-E and is the basis for the following comments.

8.1.1 Ultimate Potential

The Board concluded in Report 88-E that reserves growth from new discoveries/additions would add some 350 million cubic metres to the existing conventional light-medium established reserves and some 115 million cubic metres to existing conventional heavy established reserves. These values reflect the Board's medium projection for Alberta's geological potential. It further forecast that an additional 195 million and 50 million cubic metres of light-medium and conventional heavy crude oil, respectively, would be recovered by the application of tertiary recovery schemes in the future. When these predicted future additions were added to the initial established reserves at year-end 1987, the resulting ultimate potential from all conventional crude oil sources was some 2905 million cubic metres.

The current relationship between the initial and remaining ultimate potential of conventional crude oil, based on the above estimates, is illustrated below:

	10^6 m^3
Initial Established	2 232
Cumulative Production	1 639
Remaining Established	593
Yet to Be Established	673
Ultimate Potential	2 905
Remaining Ultimate Potential	1 266

8.1.2 Trend in Annual Additions of Conventional Initial Established Reserves

Net annual additions to Alberta's initial established crude oil reserves averaged 60 million cubic metres from 1951 to 1977, falling to 36 million from 1978 to 1988. Net additions have averaged about 36 million cubic metres for the past 3 years (Table 8-1, column 1). It is emphasized that these are net values, after reassessment of existing reserves.

The forecast of additions from all sources is shown on Figure 8-1. Utilizing the Base Case 2 forecast shown in Report 88-E, the Board projects discoveries/additions for light-medium and heavy crude oil of 29 million cubic metres and 9 million cubic metres, respectively, in 1989. The level of discovery/additions then declines with time, as the opportunities for new discoveries diminish. In both the light-medium and heavy crude oil categories, the discoveries/additions are augmented by tertiary recovery programs.

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[1] Energy Resources Conservation Board, 1988. Alberta Oil Supply, 1988-2003. ERCB Report 88-E.

TABLE 8-1 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

As of Each Year-end
millions of cubic metres

Year	1 Initial Established Addition	2 Cumulative[a]	3 Production Annual	4 Cumulative[a]	5 Remaining Established[a]
1951	44.5	219.3	7.3	29.4	189.9
1952	62.5	281.7	9.3	38.8	243.0
1953	66.6	348.3	12.2	51.0	297.3
1954	55.6	403.9	13.9	65.0	339.0
1955	68.2	472.1	17.9	82.8	389.3
1956	82.0	554.1	22.8	105.7	448.4
1957	39.9	594.0	21.7	127.4	466.6
1958	1.4	595.4	17.9	145.2	450.2
1959	67.5	663.0	20.5	165.7	497.2
1960	48.6	711.6	20.7	186.6	525.0
1961	57.5	769.1	25.1	211.5	557.6
1962	44.0	813.5	26.2	237.9	575.6
1963	56.6	870.0	26.8	264.6	605.4
1964	348.5	1 218.5	27.9	292.4	926.1
1965	68.8	1 287.3	29.2	321.6	965.7
1966	140.8	1 428.1	32.2	353.9	1 074.2
1967	95.2	1 523.3	36.6	390.4	1 132.9
1968	119.8	1 643.1	39.8	430.3	1 212.8
1969	54.5	1 697.6	44.4	474.7	1 222.8
1970	36.7	1 734.3	51.7	526.5	1 207.9
1971	22.1	1 756.4	56.4	582.9	1 173.6
1972	20.0	1 776.5	67.4	650.0	1 126.0
1973	9.2	1 785.7	83.3	733.7	1 052.0
1974	38.5	1 824.1	79.0	812.7	1 011.5
1975	7.0	1 831.1	67.5	880.2	950.9
1976	– 18.6	1 812.5	61.0	941.2	871.3
1977	19.1	1 831.6	60.4	1 001.6	830.0
1978	24.4	1 856.0	60.0	1 061.6	794.5
1979	34.3	1 890.3	68.5	1 130.1	760.2
1980	22.7	1 913.2	63.2	1 193.3	719.9
1981	32.6	1 945.8	56.5	1 249.8	696.0
1982	6.9	1 952.7	53.6	1 303.4	649.4
1983	64.1	2 016.8	55.6	1 359.0	657.8
1984	42.0	2 058.8	59.2	1 418.2	640.7
1985	64.0	2 122.8	56.2	1 474.5	648.5
1986	39.1	2 162.0	53.2	1 527.7	634.7
1987	33.0	2 195.0	53.9	1 581.6	613.8
1988	36.7	2 231.7 (14.0)[b]	57.2	1 638.8	592.9 (3.7)[b]

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in billions of stock-tank barrels.

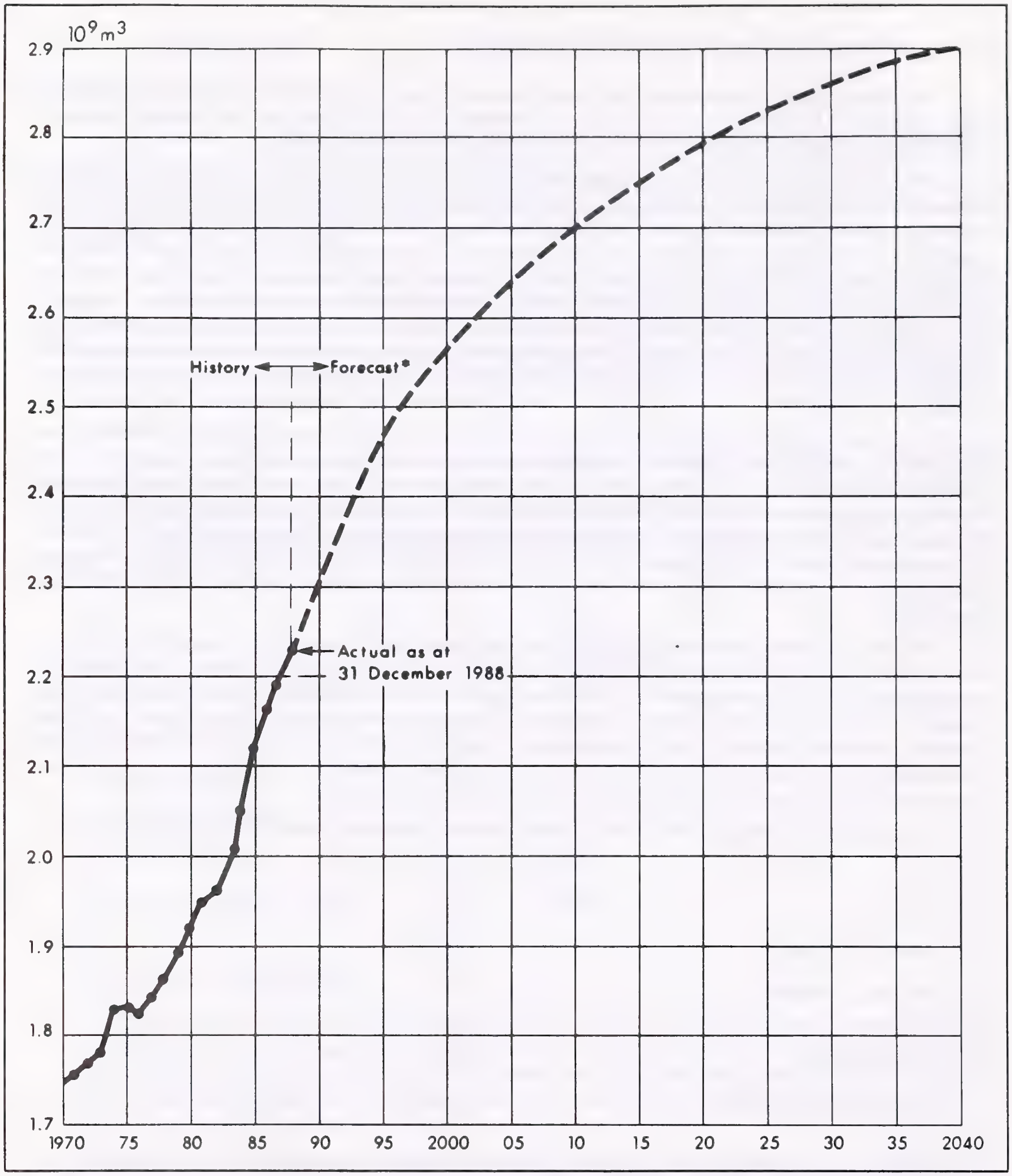

FIGURE 8-1 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL

*SOURCE: ERCB Report 88-E (Base Case 2)

8.2 CRUDE BITUMEN AND SYNTHETIC CRUDE OIL

The Board estimates the ultimate volume of crude bitumen in place to be 400 billion cubic metres, consisting of about 24 billion in deposits that may eventually be amenable to surface mining, and the remainder in deeper deposits that will require the use of in situ recovery or underground mining techniques.

Although drilling and log analyses have indicated the potential ultimate volume of crude bitumen in place to be some 400 billion cubic metres, knowledge of quality variations and those effects on recovery potential are still very limited. In addition, for some deposits, particularly carbonates, little experimentation has been carried out to establish the expected recovery factor for this type of resource. For these reasons, those portions of the in-place volumes for the Cretaceous sand and Paleozoic carbonate deposits, which will require the use of in situ recovery methods, were broken down into established and probable categories, and different recovery factors were applied to each category in establishing the ultimate potential of crude bitumen for the in situ areas. The recovery factors selected reflect the Board's current broad knowledge respecting the quality of the in-place reserves, the amount of experimentation done to date to establish recovery techniques, and a projection of improvements in those techniques in the future.

The analysis suggested the ultimate potential of crude bitumen from Cretaceous sediments by in situ recovery methods to be some 33 billion cubic metres and from the carbonate sediments some 6 billion cubic metres. About 10 billion cubic metres are expected from within the surface-mineable boundary and represent the initial mineable volume in place after accounting for losses in mining and extraction and quantities inaccessible in environmental buffer zone areas. For current projects, it is also assumed that tailings ponds and discard sites will either be located on non-mineable areas or will be removed from the mineable areas in order to recover underlying economic mineable ore. The total initial ultimate potential amount of crude bitumen recoverable is therefore about 49 billion cubic metres.

The yield of synthetic crude oil (including butanes and heavier liquid product) from crude bitumen will vary with the upgrading technology used and will depend upon the extent to which other non-bitumen energy sources are used in recovery and processing operations. The Board has revised the estimates of liquid yield expected from the upgrading and now considers an average yield factor of 0.85 by volume will be achieved. On this basis, the ultimate potential amount of synthetic crude oil recoverable is estimated at 41.5 billion cubic metres with 8.5 billion attributable to surface mining and 33 billion to the in situ areas. External energy sources such as coal and natural gas are assumed to satisfy part of the energy requirements for fuel and upgrading[2].

The relationship between the initial and remaining ultimate potential of crude bitumen is illustrated below:

	10^6 m^3
Initial Established	743
Cumulative Production	176
Remaining Established	567
Yet to Be Established	48 257
Ultimate Potential	49 000
Remaining Ultimate Potential	48 824

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[2] Preliminary estimates indicate that hydrogen requirements would be extremely large, far exceeding estimated amounts that might be available by steam reforming of natural gas. Alternative sources of hydrogen such as from partial oxidation using pitch residuum would have to be considered.

8.3 MARKETABLE GAS

8.3.1 Ultimate Potential

In ERCB Report 79-G, the Board concluded that the ultimate potential of marketable gas was in the range of 3700 to 3900 billion cubic metres at 37.4 MJ/m^3 but noted that, given significant increases in price and/or technological breakthroughs, the ultimate potential could be in excess of 5600 billion cubic metres. In 1985, the Board increased its estimate of ultimate potential to 4200 billion cubic metres because its on-going reserve evaluations indicated that the previous estimate was too low.

The Board continues to be optimistic with respect to Alberta's ultimate potential for gas despite some significant reserve reductions made in recent years to a very large number of small gas pools and some large pools. This optimism stems from such recent discoveries as the Caroline Beaverhill Lake A Pool and the potential for other deep formation pools indicated by this discovery. Throughout the province, recent drilling has continued to show encouraging reserve additions even in times of limited markets and lower prices. Low permeability gas reservoirs continue to hold potential but significant price improvements would be needed to generate activity for development of these potential sources.

In summary, the Board continues to believe that the ultimate potential for gas is in the range of 4200 to 5600 billion cubic metres, and for forecasting and administrative purposes, the Board has decided to increase its estimate of Alberta's ultimate potential for gas to 4800 billion cubic metres.

The relationship between the ultimate potential of marketable gas and the portion remaining to be recovered is illustrated below:

	10^9 m^3 at 37.4 MJ/m^3
Initial Established	3 179
Cumulative Production	1 505
Remaining Established	1 674
Yet to Be Established	1 621
Ultimate Potential	4 800
Remaining Ultimate Potential	3 295

8.3.2 Trends in Annual Additions

Annual additions to established gas reserves averaged 77.6 billion cubic metres during the period 1951 to 1988 (Table 8-2, column 1). Reserve additions have fluctuated a great deal during this period because of changes in economic factors such as gas price, market opportunities, and drilling incentive programs, and also because of revision of estimates of existing reserves. It must also be recognized that the reserve additions shown in Table 8-2 reflect annual revisions to the Board's reserve estimates.

The historical growth in booked reserves as shown in Figure 8-2 suggests a significant decrease in reserves growth in recent years. While recent growth is lower than during the late 1970s and early 1980s, the decrease in additions is exaggerated by the downward adjustment of reserve estimates for previously discovered pools, particularly small pools as discussed in Section 4.2.

The forecast of growth in initial established reserves shown in Figure 8-2 reflects the increase in the Board's estimate of ultimate potential as discussed in Section 8.3.1. The Board anticipates that the reserves growth rate will increase to about 100 billion cubic metres per year by the mid-1990s and then gradually decline as opportunities for new discoveries diminish. While fluctuations in reserves growth during the forecast period will undoubtedly occur, the Board believes its forecast represents a reasonable scenario for use in forecasting and policy formulation.

TABLE 8-2 SUMMARY OF INITIAL AND REMAINING ESTABLISHED RESERVES OF MARKETABLE GAS

As of Each Year-end
billions of cubic metres

Year	1	2	3	4	5	6
	Initial Established		**Production**		**Remaining Established**[a]	
	Additions	Cumulative[a]	Annual	Cumulative[a]	Actual[a]	37.4 MJ/m^3
1951	61.2	205.5	1.6	19.4	186.1	*
1952	87.8	293.4	1.8	21.2	272.1	*
1953	76.1	369.5	2.0	23.3	346.2	*
1954	58.8	428.3	2.5	25.8	402.5	*
1955	59.3	487.6	3.0	28.8	458.8	*
1956	64.5	552.2	3.2	32.0	520.1	*
1957	64.9	617.1	3.8	35.8	581.7	*
1958	110.4	727.5	5.3	41.1	686.4	721.2
1959	88.5	816.0	7.1	48.2	767.8	809.8
1960	119.9	935.9	9.1	57.4	878.6	926.8
1961	13.3	949.2	11.9	69.3	879.9	930.5
1962	49.7	998.9	17.6	86.9	912.1	964.2
1963	35.8	1 034.7	19.6	106.5	928.2	980.0
1964	85.9	1 120.6	22.1	128.6	992.0	1 052.6
1965	89.7	1 210.4	24.2	152.8	1 057.6	1 129.6
1966	40.6	1 251.0	25.5	178.3	1 072.6	1 142.5
1967	73.9	1 324.9	27.5	205.8	1 119.1	1 189.6
1968	134.6	1 459.5	30.0	235.8	1 223.6	1 289.0
1969	87.5	1 547.0	37.8	273.6	1 273.4	1 342.6
1970	46.2	1 593.2	40.1	313.8	1 279.4	1 352.0
1971	45.4	1 638.6	48.5	362.3	1 276.3	1 346.9
1972	45.2	1 683.9	52.4	414.7	1 269.1	1 337.6
1973	183.3	1 867.2	56.0	470.7	1 396.6	1 464.5
1974	147.0	2 014.3	57.0	527.8	1 486.5	1 550.2
1975	20.8	2 035.1	56.6	584.3	1 450.8	1 512.8
1976	105.6	2 140.7	54.6	639.0	1 501.7	1 563.9
1977	127.6	2 268.2	61.0	700.0	1 568.3	1 630.3
1978	163.3	2 431.6	66.4	766.3	1 665.2	1 730.9
1979	123.2	2 554.7	70.0	836.4	1 718.4	1 783.1
1980	92.4	2 647.1	63.8	900.2	1 747.0	1 812.1
1981	117.0	2 764.1	68.6	968.8	1 795.3	1 864.8
1982	118.7	2 882.8	60.9	1 029.7	1 853.1	1 924.6
1983	39.0	2 921.8	66.0	1 095.6	1 826.2	1 898.7
1984	40.5	2 962.3	68.3	1 163.9	1 798.4	1 872.2
1985	42.6	3 004.9	72.8	1 236.7	1 768.3	1 840.0
1986	21.8	3 026.7	69.9	1 306.6	1 720.1	1 790.3
1987	0.0	3 026.7	68.4	1 375.0	1 651.7	1 713.7
1988	64.6	3 091.3	88.6	1 463.5	1 627.7	1 673.7
		(109.7)[b]			(57.8)[b]	(59.4)[b]

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[a] Discrepancies are due to rounding.

[b] Imperial equivalent in trillions of cubic feet.

* Not available.

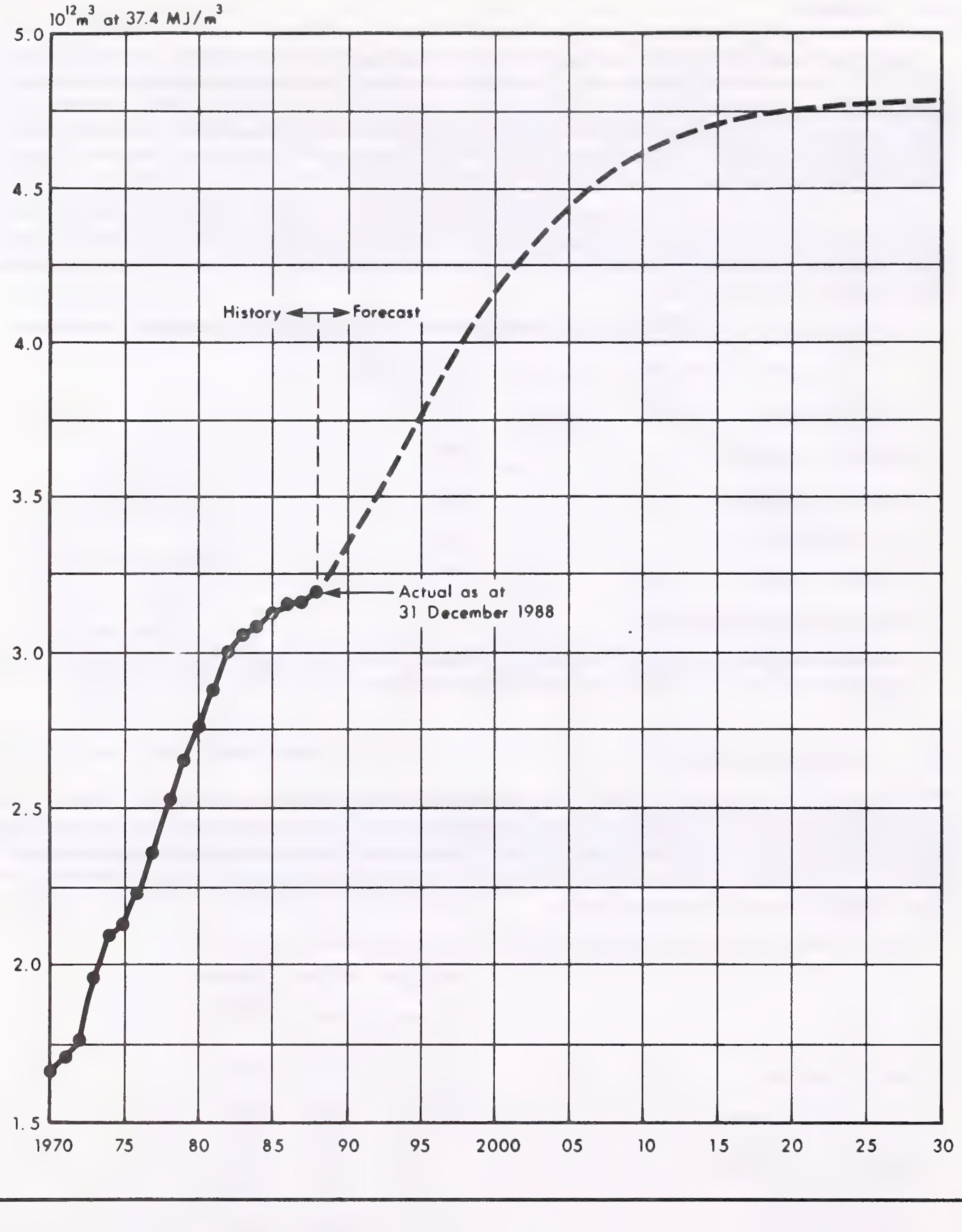

FIGURE 8-2 FORECAST GROWTH OF INITIAL ESTABLISHED RESERVES OF MARKETABLE GAS

8.4 ETHANE

The Board has adopted a new methodology for use in determining the co-product (ethane, natural gas liquids, and sulphur) content of future gas discoveries. The province is divided into areas which are geologically similar and within which the gas reserves established to date are a significant portion of those likely to be found in future. The co-product content of the gas found to date is calculated for each area and it is assumed that future discoveries in each of the areas will have co-product contents similar to the established reserves. In this manner the average co-product content of all future gas reserves is calculated.

The Board estimates that the ethane content of marketable gas yet to be established will be 190 cubic metres of ethane liquid per million cubic metres of marketable gas. The Board's estimate of ultimate potential for ethane is derived by applying this ethane-to-gas ratio to its estimate of marketable gas yet to be established and adding the initial established reserves of ethane.

The reserves, production, and ultimate potential for the ethane contained in marketable gas are shown below:

	10^6 m^3 (liquid)
Initial Established	585.6
Cumulative Production	264.6
Remaining Established	321.0
Yet to Be Established	294.4
Ultimate Potential	880.0
Remaining Ultimate Potential	615.4

The Board estimates that at least 65 per cent of the ethane contained in the remaining ultimate potential of marketable gas could be practically and economically recovered.

8.5 NATURAL GAS LIQUIDS

Utilizing the methodology described in Section 8.4, the Board estimates that the propane, butanes, and pentanes plus contents of marketable gas yet to be established will be 75, 45, and 85 cubic metres (liquid) per million cubic metres of marketable gas, respectively. The Board's estimate of ultimate potential for natural gas liquids is derived by applying these liquid-to-gas ratios to its estimate of marketable gas yet to be established and adding the initial established reserves of natural gas liquids.

The reserves, production, and ultimate potential of natural gas liquids are shown below:

	Propane	**Butanes**	**Pentanes Plus**
	10^6 m^3 (liquid)		
Initial Established	230.4	139.8	300.3
Cumulative Production	106.2	66.8	171.3
Remaining Established	124.2	73.0	129.0
Yet to Be Established	109.6	70.2	129.7
Ultimate Potential	340.0	210.0	430.0
Remaining Ultimate Potential	233.8	143.2	258.7

8.6 SULPHUR

8.6.1 Sulphur from Gas

Utilizing the methodology described in Section 8.4, the Board estimates that the sulphur content of marketable gas yet to be established will be 70 tonnes per million cubic metres of marketable gas. The Board's estimate of ultimate potential for sulphur is derived by applying this sulphur-to-gas ratio to its estimate of marketable gas yet to be established and adding the initial established reserves of sulphur.

In addition to the sulphur recoverable from "conventional" gas, there is also sulphur potentially recoverable from ultra-high H_2S pools. The Board's estimate of the ultimate potential for sulphur from ultra-high H_2S pools is 40 million tonnes.

The reserves, production, and ultimate potential for sulphur are shown below:

	Conventional	**Ultra-high H_2S**	**Total**
	10^6 tonnes		
Initial Established	208.5	3.7	212.2
Cumulative Production	124.2	0.0	124.2
Remaining Established	84.3	3.7	88.0
Yet to Be Established	111.5	36.3	147.8
Ultimate Potential	320.0	40.0	360.0
Remaining Ultimate Potential	195.8	40.0	235.8

8.6.2 Sulphur from Crude Bitumen

The Board estimates the ultimate potential of sulphur in Alberta's recoverable crude bitumen to be some 1800 million tonnes at year-end in 1988. This estimate was derived by applying a recovery ratio of 37.4 tonnes of sulphur per thousand cubic metres of bitumen to the 1988 year-end ultimate potential of crude bitumen of some 49 billion cubic metres. The ratio reflects the recovery expected at future plants. Some 4.2 million of the 1800 million tonnes expected have been produced to the 1988 year-end.

APPENDIX OIL, CRUDE BITUMEN, AND GAS DRILLING AND RESERVE GROWTH HISTORICAL DATA

This appendix presents historical data on the development of the oil and gas industry in Alberta and the annual additions to established reserves of crude oil, crude bitumen, and marketable gas to year-end 1988.

The text describing the data in Tables A-4 and A-5 should be considered carefully to avoid misinterpretation.

TABLE A-1

From 1951 to 1988 inclusive, 77 per cent of the development wells drilled in Alberta resulted in discoveries of oil or gas compared to only 40 per cent for exploratory wells[1]. A few unsuccessful development wells were completed as water disposal and service wells.

Counts of crude bitumen wells have been tabulated from 1980 onward. Two types of crude bitumen development wells are shown, "commercial" for those in commercial projects (including the Lindbergh Area), and "experimental" for those in recovery-test schemes. Experimental wells are included in the development category because they are drilled into known oil sands deposits. Experimental well counts are not available prior to 1980. Up to 1983, commercial crude bitumen wells appear in the table in the oil well count.

Most of the crude bitumen exploratory wells are oil sands evaluation wells which are required to be abandoned and cannot become producers. Also included are some exploratory wells licensed to obtain crude bitumen production. Oil sands evaluation wells also do not appear in any form in the table for the period prior to 1980.

During 1988, overall development and exploratory drilling increased significantly over 1987 levels and exceeded the average for the last 10 years by 9 per cent. Exploratory drilling for gas exceeded that for oil for the first time since 1982 and although gas development drilling still lags behind oil, there was a 55 per cent increase in the amount of gas wells drilled over last year's figures in response to an increased availability of gas markets.

TABLE A-2

A somewhat better measure of exploratory and development activity is the distance drilled annually in each category. Since 1966, these data have been further categorized to also show the number of kilometres drilled for successful oil and gas wells. The information in Table A-2 is thus closely related to that in Table A-1.

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[1] For the purposes of Tables A-1 and A-2, exploratory wells include deep pool tests, new pool wildcats, and new field wildcats. Outpost wells have been included in the development well totals.

TABLE A-1 DEVELOPMENT AND EXPLORATORY WELLS

number drilled annually, 1951-1988

Year	1	2	3	4	5
	Development				
	Successful				Total[a]
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1951	691	**	*	21	777
1952	897	**	*	80	1 160
1953	838	**	*	106	1 162
1954	613	**	*	85	827
1955	1 100	**	*	68	1 281
1956	1 317	**	*	79	1 514
1957	818	**	*	73	1 020
1958	924	**	*	164	1 315
1959	834	**	*	164	1 170
1960	944	**	*	184	1 363
1961	741	**	*	231	1 188
1962	653	**	*	190	1 113
1963	803	**	*	186	1 255
1964	796	**	*	173	1 281
1965	843	**	*	155	1 366
1966	552	**	*	188	1 003
1967	506	**	*	190	953
1968	387	**	*	257	970
1969	324	**	*	311	901
1970	246	**	*	425	884
1971	269	**	*	489	1 085
1972	454	**	*	738	1 618
1973	480	**	*	961	1 970
1974	566	**	*	1 284	2 241
1975	597	**	*	1 443	2 408
1976	444	**	*	2 096	2 959
1977	530	**	*	1 941	2 813
1978	726	**	*	2 134	3 269
1979	984	**	*	2 352	3 892
1980	1 296	**	139	2 855	4 888
1981	1 107	**	173	2 173	4 006
1982	1 246	**	234	1 901	3 862
1983	1 907	**	268	836	3 457
1984	1 983	438	365	994	4 496
1985	2 343	980	270	1 694	6 288
1986	1 465	194	93	804	3 298
1987	1 865	377	144	712	3 865
1988	1 950	660	60	1 105	4 812

---

[a] Includes unsuccessful, service, and suspended wells.

[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.

* Not available.

** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total[a]	Successful			Total[a]
Oil	Crude Bitumen[b]	Gas		Oil	Crude Bitumen	Gas	
68	*	94	461	759	*	115	1 238
49	*	74	469	946	*	154	1 629
47	*	89	399	885	*	195	1 561
60	*	55	351	673	*	140	1 178
45	*	70	346	1 145	*	138	1 627
51	*	59	384	1 368	*	138	1 898
56	*	52	428	874	*	125	1 448
35	*	63	404	959	*	227	1 719
43	*	78	432	877	*	242	1 602
41	*	92	403	985	*	276	1 766
42	*	113	423	783	*	344	1 611
35	*	82	484	688	*	272	1 597
65	*	89	502	868	*	275	1 757
65	*	90	570	861	*	263	1 851
76	*	85	705	919	*	240	2 071
62	*	69	634	614	*	257	1 637
135	*	84	693	641	*	274	1 646
162	*	130	936	549	*	387	1 906
138	*	122	972	462	*	433	1 873
55	*	183	963	301	*	608	1 847
93	*	202	940	362	*	691	2 025
55	*	252	1 058	509	*	990	2 676
101	*	413	1 543	581	*	1 374	3 513
69	*	384	1 248	635	*	1 668	3 489
67	*	428	1 238	664	*	1 871	3 646
108	*	1 005	2 082	552	*	3 101	5 041
172	*	1 011	2 317	702	*	2 952	5 130
218	*	956	2 304	944	*	3 090	5 573
266	*	825	1 888	1 250	*	3 177	5 780
310	354	1 040	2 653	1 606	*	3 895	7 541
318	857	883	2 865	1 425	*	3 056	6 871
317	221	510	1 719	1 563	*	2 411	5 581
335	68	255	1 245	2 242	*	1 091	4 702
407	126	278	1 661	2 390	929	1 272	6 157
436	588	238	2 175	2 779	1 838	1 932	8 463
271	168	167	1 199	1 736	455	971	4 497
300	105	217	1 305	2 165	626	929	5 170
322	277	374	1 793	2 272	997	1 479	6 605

TABLE A-2 DEVELOPMENT AND EXPLORATORY WELLS
kilometres drilled annually, 1951-1988

Year	1	2	3	4	5
	Development				
	Successful				Total[a]
	Oil	Crude Bitumen		Gas	
		Commercial	Experimental		
1951	*	**	*	*	1 001
1952	*	**	*	*	1 453
1953	*	**	*	*	1 394
1954	*	**	*	*	1 176
1955	*	**	*	*	1 972
1956	*	**	*	*	2 411
1957	*	**	*	*	1 553
1958	*	**	*	*	1 842
1959	*	**	*	*	1 969
1960	*	**	*	*	2 426
1961	*	**	*	*	2 385
1962	*	**	*	*	2 032
1963	*	**	*	*	2 266
1964	*	**	*	*	2 235
1965	*	**	*	*	2 142
1966	921	**	*	79	1 567
1967	748	**	*	219	1 420
1968	539	**	*	391	1 360
1969	464	**	*	408	1 254
1970	347	**	*	448	1 107
1971	352	**	*	406	1 219
1972	636	**	*	547	1 669
1973	692	**	*	800	2 204
1974	749	**	*	907	2 237
1975	714	**	*	1 159	2 340
1976	593	**	*	1 173	2 983
1977	720	**	*	1 624	2 961
1978	995	**	*	1 691	3 408
1979	1 452	**	*	1 936	4 141
1980	1 839	**	80	2 557	5 309
1981	1 401	**	85	1 934	4 169
1982	1 804	**	103	1 521	4 116
1983	2 482	**	112	896	4 248
1984	2 935	257	203	999	5 603
1985	3 302	579	155	1 443	7 353
1986	2 200	117	47	850	4 550
1987	2 627	209	80	883	5 252
1988	2 555	376	38	1 249	6 081

---

[a] Includes unsuccessful, service, and suspended wells.
[b] Includes oil sands evaluation wells and exploratory wells licensed to obtain crude bitumen production.
[c] Discrepancies are due to rounding.
* Not available.
** Included in Oil.

6	7	8	9	10	11	12	13
Exploratory				Total			
Successful			Total[a]	Successful			Total[a]
Oil	Crude Bitumen[b]	Gas		Oil	Crude Bitumen	Gas	
*	*	*	694	*	*	*	1 696
*	*	*	568	*	*	*	2 021
*	*	*	564	*	*	*	1 958
*	*	*	554	*	*	*	1 730
*	*	*	601	*	*	*	2 574
*	*	*	665	*	*	*	3 077
*	*	*	724	*	*	*	2 278
*	*	*	712	*	*	*	2 554
*	*	*	725	*	*	*	2 694
*	*	*	737	*	*	*	3 163
*	*	*	724	*	*	*	3 109
*	*	*	744	*	*	*	2 776
*	*	*	723	*	*	*	2 989
*	*	*	917	*	*	*	3 152
*	*	*	1 038	*	*	*	3 180
95	*	4	958	1 016	*	84	2 526
208	*	95	996	957	*	314	2 416
244	*	198	1 386	783	*	589	2 746
206	*	164	1 410	670	*	572	2 667
83	*	208	1 295	431	*	656	2 402
126	*	218	1 227	477	*	624	2 446
83	*	280	1 402	719	*	828	3 071
112	*	404	1 650	805	*	1 204	3 854
92	*	410	1 419	841	*	1 318	3 655
87	*	423	1 309	801	*	1 582	3 649
139	*	846	1 892	732	*	2 619	4 875
178	*	1 016	2 288	897	*	2 640	5 250
300	*	1 219	2 178	1 295	*	2 910	6 126
450	*	1 256	2 771	1 902	*	3 192	6 912
494	71	1 550	3 261	2 333	151	4 107	8 570
473	124	1 202	2 810	1 874	209	3 136	6 979
493	27	603	1 920	2 297	130	2 124	6 036
472	11	338	1 528	2 954	123	1 234	5 776
511	19	362	1 846	3 446	479	1 361	7 449
584	96	300	1 975	3 886	829[c]	1 743	9 328
341	39	209	1 286	2 541	203	1 059	5 836
382	16	277	1 476	3 010[c]	305	1 160	6 728
373	65	414	1 797	2 928	479	1 663	7 877

TABLE A-3

In Table A-3, a completion event is counted as a well. Therefore, because some wellbores have more than one completion event, this table does not represent the actual number of wellbores in existence in each category listed.

Table A-3 shows the growth in the number of oil and gas wells operated. It excludes wells formerly capable but now abandoned.

The capable-oil-well count includes a number of shut-in wells that are contained in approved production spacing units and enhanced-recovery schemes. Some pools have been substantially depleted since the production spacing units were established, and many of the wells included would now produce little or no oil if placed back on production. The capable-well count may therefore imply a greater capability than actually exists.

Although the capped wells shown in column 5 have not been completed, many could be capable of production on short notice. In most cases, wells are capped until gathering or processing facilities are completed or the economics of production and marketing improves.

TABLE A-3 COMPLETED AND CAPPED WELLS
cumulative totals, 1951-1988

	1	2	3	4	5
Year	Oil Wells Completed		Gas Wells Completed		Capped Gas Wells[c]
	Capable[a]	Operated[b]	Capable[a]	Operated[b]	
1951	2 731	2 510	331	185	157
1952	3 661	3 312	362	245	259
1953	4 504	4 000	404	272	393
1954	5 063	4 583	470	314	491
1955	6 135	5 509	489	347	609
1956	7 390	6 743	523	368	713
1957	8 016	7 136	585	422	766
1958	8 536	7 811	705	575	871
1959	9 217	8 281	830	681	981
1960	9 878	8 633	950	758	1 127
1961	10 529	8 938	1 088	894	1 314
1962	10 809	9 183	1 257	995	1 388
1963	11 437	9 217	1 437	1 213	1 466
1964	12 114	9 613	1 628	1 372	1 497
1965	12 771	8 736	1 800	1 502	1 515
1966	13 162	8 886	1 921	1 527	1 586
1967	13 473	9 116	2 065	1 647	1 666
1968	13 733	9 114	2 356	1 924	1 594
1969	13 897	9 381	2 692	2 194	1 601
1970	13 971	9 383	3 010	2 490	1 684
1971	14 065	9 467	3 426	2 830	1 801
1972	14 168	9 689	3 985	3 318	2 063
1973	14 368	10 028	4 536	3 769	2 551
1974	14 819	10 395	5 344	4 508	3 469
1975	15 177	10 708	6 670	5 704	3 935
1976	15 663	11 166	9 010	7 753	4 864
1977	16 224	11 592	12 529	10 806	6 023
1978	16 871	12 151	14 897	12 785	6 686
1979	17 673	12 805	17 173	14 760	8 268
1980	18 833	13 312	19 546	16 661	10 094
1981	20 072	14 243	22 611	18 797	11 593
1982	21 345	15 259	25 400	20 611	10 991
1983	23 182	16 694	27 125	21 881	10 835
1984	25 320	18 406	29 037	22 839	10 793
1985	27 830	19 957	30 255	24 424	10 957
1986	30 020	20 175	32 619	24 648	11 201
1987	31 929	22 347	33 570	25 453	11 292
1988	34 048	22 893	34 235	27 167	11 516

---

[a] Includes wells which had been placed on production and were either operated, suspended, or shut in during December of each year, including crude bitumen wells, but excludes events used for injection.

[b] The number of events produced during December of each year.

[c] The number of events drilled and never placed on production and reported by the operator as capped as of 31 December of each year.

TABLE A-4

Table A-4 supplements Table 8-1 and subdivides the annual additions to established reserves of conventional crude oil into new discovery, re-evaluation, and enhanced-recovery categories. The method of subdividing the reserves has varied somewhat over the years; hence, some minor differences in annual additions may result from the change in method. Starting in 1985, the figures have been revised such that development applies only to step out drilling in existing primary pools. As a result, what was previously considered as development of enhanced-recovery schemes is now included under "Enhanced Recovery" rather than Development and Re-evaluation.

The established reserves attributed to new discoveries are subject to significant adjustment as the result of delineation drilling and performance in subsequent years. The trend in such adjustments has varied over the years. In the 1950s, adjustments were largely additions, whereas in the 1960s and 1970s, when pinnacle reefs were a popular exploratory target, many adjustments were negative.

The enhanced-recovery programs for crude oil pools lead to positive increments initially, but adjustments may be necessary later when performance proves that the reserves assigned have been over- or under-estimated.

TABLE A-4 ADDITIONS TO ESTABLISHED RESERVES OF CONVENTIONAL CRUDE OIL 1951-1988
millions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Enhanced Recovery	4 Total
1951	15.3	29.2		44.5
1952	14.0	48.5		62.5
1953	24.2	42.4		66.6
1954	1.9	53.7		55.6
1955	9.4	58.8		68.2
1956	3.5	78.5		82.0
1957	10.8	29.1		39.9
1958	1.3	−4.8	4.9	1.4
1959	14.3	37.2	16.0	67.5
1960	0.5	29.9	18.1	48.6
1961	1.7	31.5	24.5	57.5
1962	2.9	21.8	19.9	44.0
1963	14.6	12.6	29.2	56.6
1964	9.5	88.2	250.8	348.5
1965	28.6	42.6	−2.4	68.8
1966	89.1	13.5	38.3	140.8
1967	57.2	15.7	22.2	95.2
1968	62.0	14.8	42.9	119.8
1969	40.5	−44.5	58.5	54.5
1970	8.4	−7.6	36.1	36.7
1971	14.0	8.7	−0.8	22.1
1972	10.8	−5.6	14.8	20.0
1973	5.1	−6.0	10.2	9.2
1974	4.3	3.3	30.8	38.5
1975	1.6	2.1	3.3	7.0
1976	2.5	5.9	−27.0	−18.6
1977	4.8	5.1	9.2	19.1
1978	24.9	−1.9	1.4	24.4
1979	19.2	10.3	4.8	34.3
1980	9.0	5.1	8.6	22.7
1981	15.0	7.2	10.4	32.6
1982	16.8	−16.5	6.6	6.9
1983	21.4	24.8	17.9	64.1
1984	29.1	−12.0	24.1	41.2
1985	32.7	9.7 (10.6)[b]	21.6	64.0
1986	28.6	−14.1 (16.6)[b]	24.6	39.1
1987	20.9	1.6 (12.8)[b]	10.5	33.0
1988	17.7	2.5 (18.2)[b]	16.5	36.7[a]

---

[a] Discrepancies are due to rounding.

[b] Development component only.

TABLE A-5

Table A-5 shows annual changes to established marketable gas reserves. Reserves are continually reviewed and re-evaluated, principally on the basis of new data and performance.

For the years prior to 1978, the new discovery total includes only those reserves having initial established reserves of marketable gas equal to or greater than 300 million cubic metres.

Commencing in 1979 the new discoveries which are not booked in the year of discovery but in the following year are not accounted for under new discoveries. This effect may lead to a substantial understatement in the discoveries column and an overstatement in the development column. Occasionally, the reverse might be true where established reserves classified as new discoveries in a given year later prove to be extensions of earlier discoveries and the pools are coalesced.

In view of the above, the distribution of reserves between new discoveries and development should be used with caution.

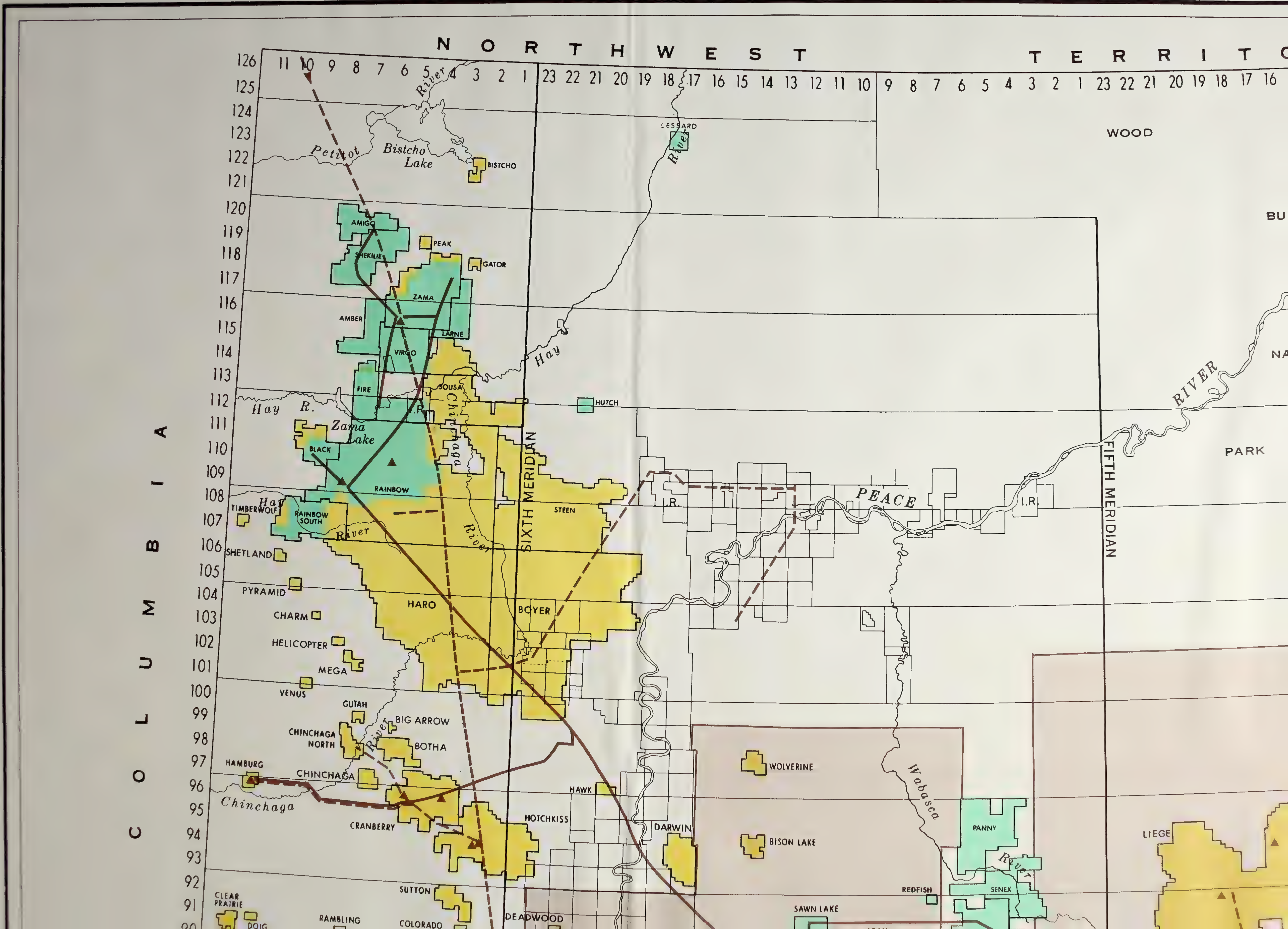
TABLE A-5 ADDITIONS TO ESTABLISHED RESERVES OF MARKETABLE GAS 1951-1988 billions of cubic metres

Year	1 New Discoveries (Initial Year)	2 Development and Re-evaluation	3 Total
1951	6.2	55.0	61.2
1952	*	*	87.8
1953	*	*	76.1
1954	*	*	58.8
1955	*	*	59.3
1956	*	*	64.5
1957	*	*	64.9
1958	*	*	110.4
1959	*	*	88.5
1960	18.2	101.7	119.9
1961	9.6	3.7	13.3
1962	8.7	41.0	49.7
1963	3.1	32.7	35.8
1964	7.2	78.7	85.9
1965	11.3	78.4	89.7
1966	2.1	38.6	40.7
1967	24.3	49.6	73.9
1968	15.3	119.3	134.6
1969	18.6	68.9	87.5
1970	7.6	38.7	46.2
1971	4.8	40.6	45.4
1972	12.5	32.8	45.2
1973	7.8	175.6	183.4
1974	8.6	138.4	147.0
1975	0.8	20.0	20.8
1976	6.9	98.7	105.6
1977	6.6	120.9	127.6
1978	24.4	138.9	163.3
1979	16.4	106.8	123.2
1980	30.0	62.5	92.4[a]
1981	28.9	88.1	117.0
1982	10.6	108.1	118.7
1983	16.3	22.7	39.0
1984	9.6	30.9	40.5
1985	11.5	31.1	42.6
1986	9.2	12.6	21.8
1987	8.9	–8.9	0.0
1988	13.9	50.7	64.6

---

[a] Discrepancies are due to rounding.

* Not available.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WOOD
BU
AMIGO
PEAK
SHEKILIE
GATOR
ZAMA
AMBER
LARNE
VIRGO
Hay
FIRE
SOUSA
I.R.
Chinchaga
Hay R.
Zama Lake
HUTCH
RIVER
NA
BLACK
RAINBOW
PARK
PEACE
I.R.
I.R.
TIMBERWOLF
Hay
RAINBOW SOUTH
River
STEEN
River
SHETLAND
PYRAMID
HARO
BOYER
CHARM
HELICOPTER
MEGA
VENUS
GUTAH
BIG ARROW
River
CHINCHAGA NORTH
BOTHA
HAMBURG
CHINCHAGA
WOLVERINE
Wabasca
Chinchaga
HAWK
HOTCHKISS
CRANBERRY
DARWIN
PANNY
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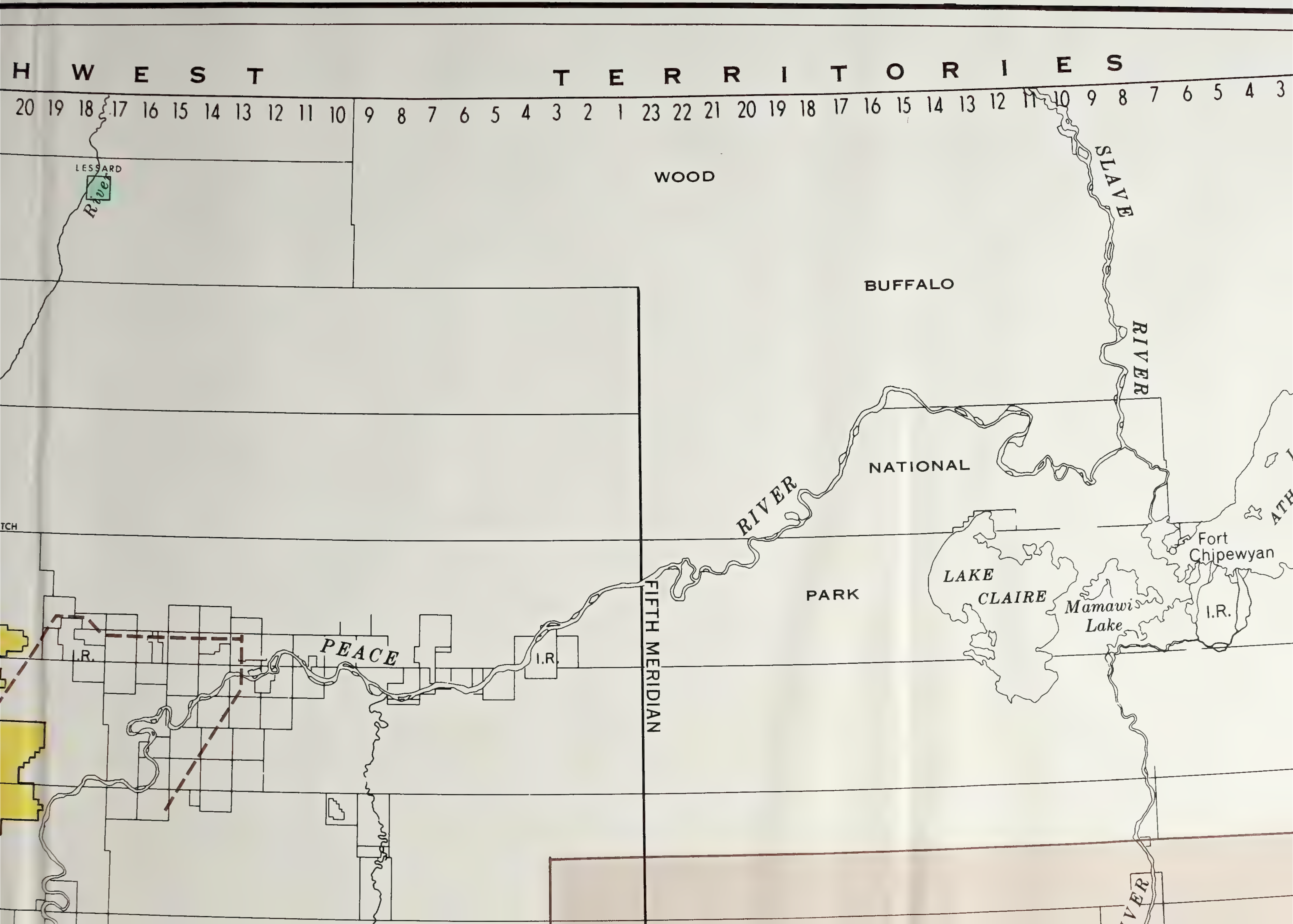
SAWN LAKE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NATIONAL
PARK
SLAVE
RIVER
RIVER
PEACE
FIFTH MERIDIAN
LAKE
CLAIRE
Mamawi
Lake
Fort
Chipewyan
I.R.
I.R.
I.R.
TCH
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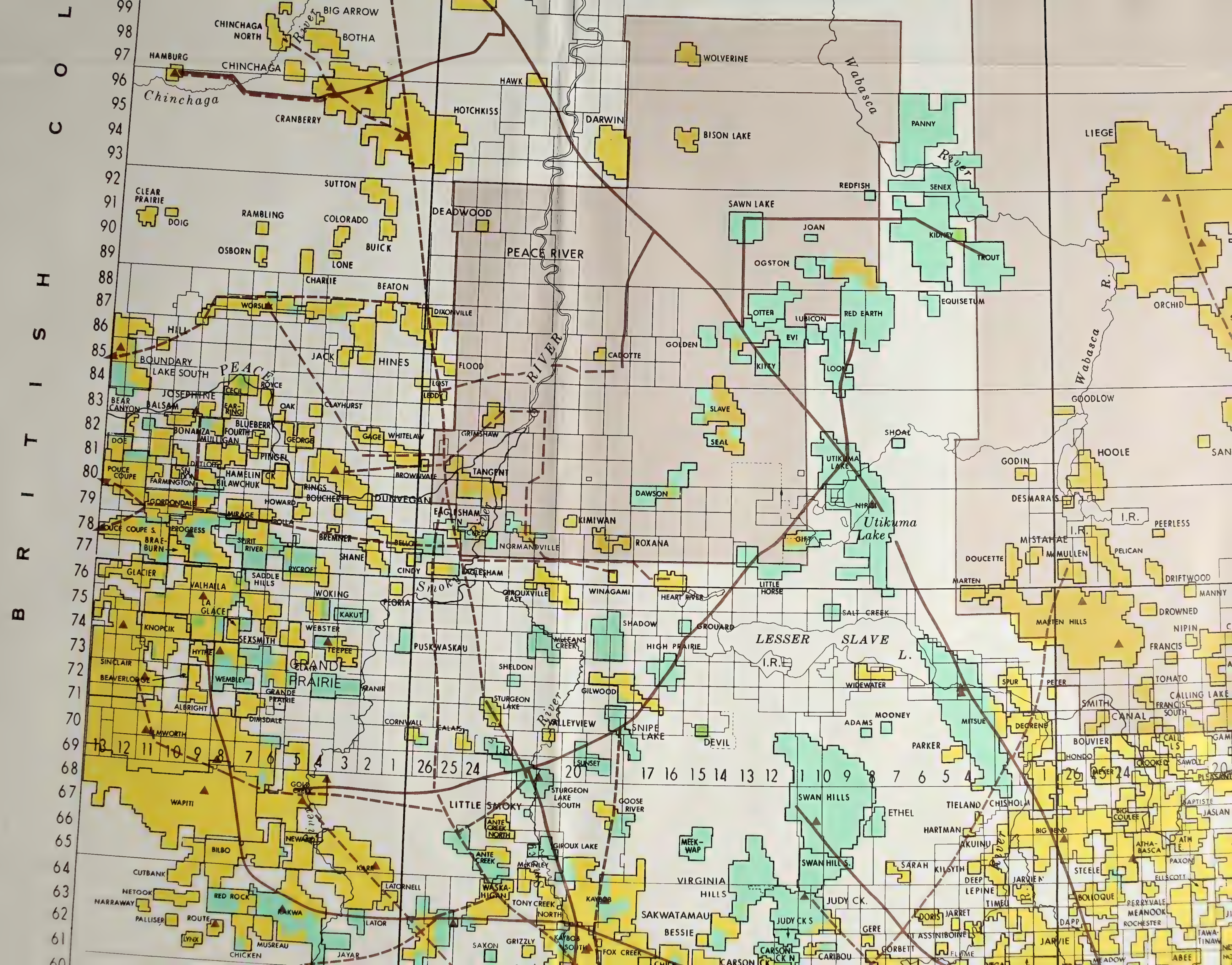
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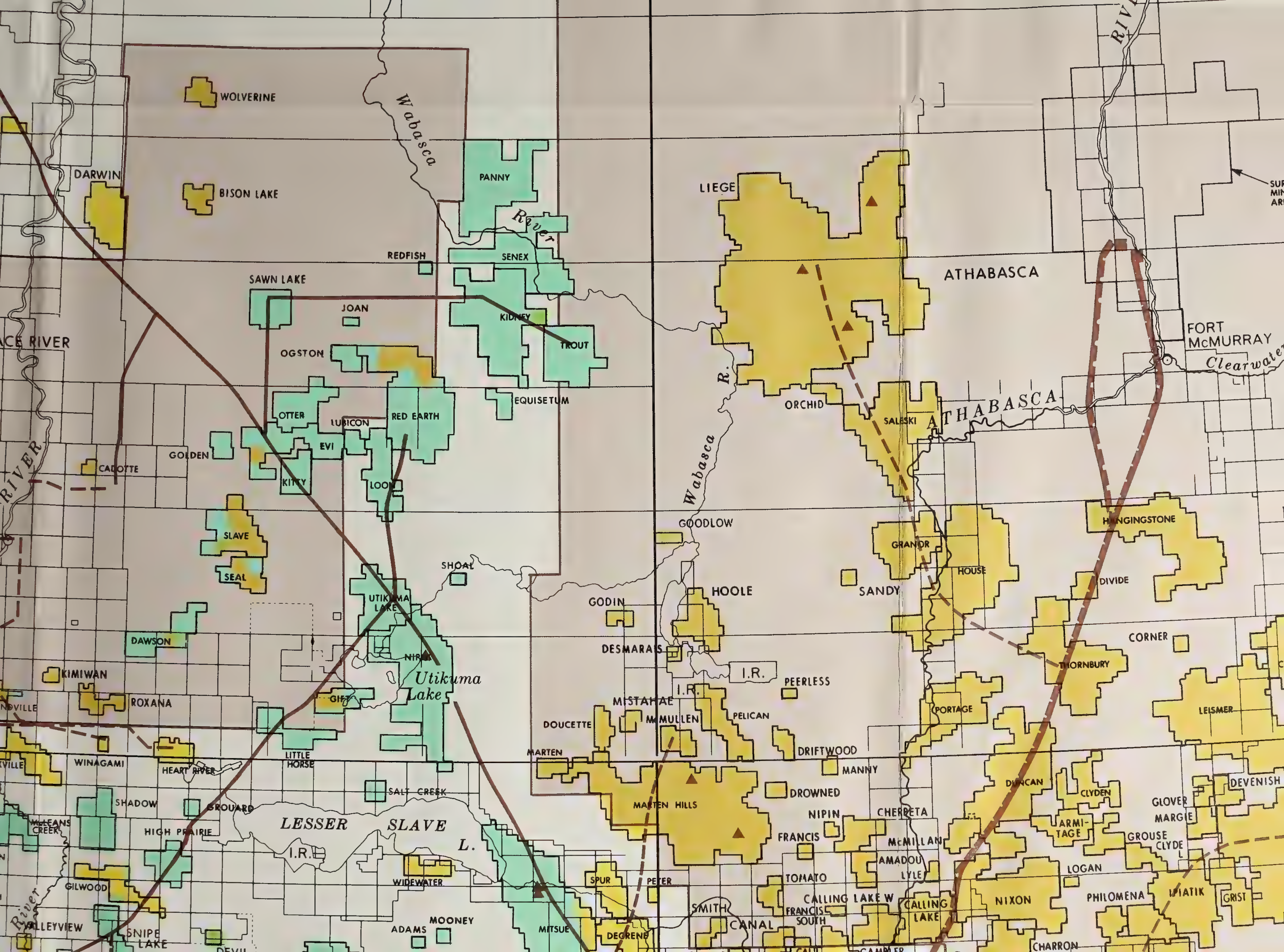
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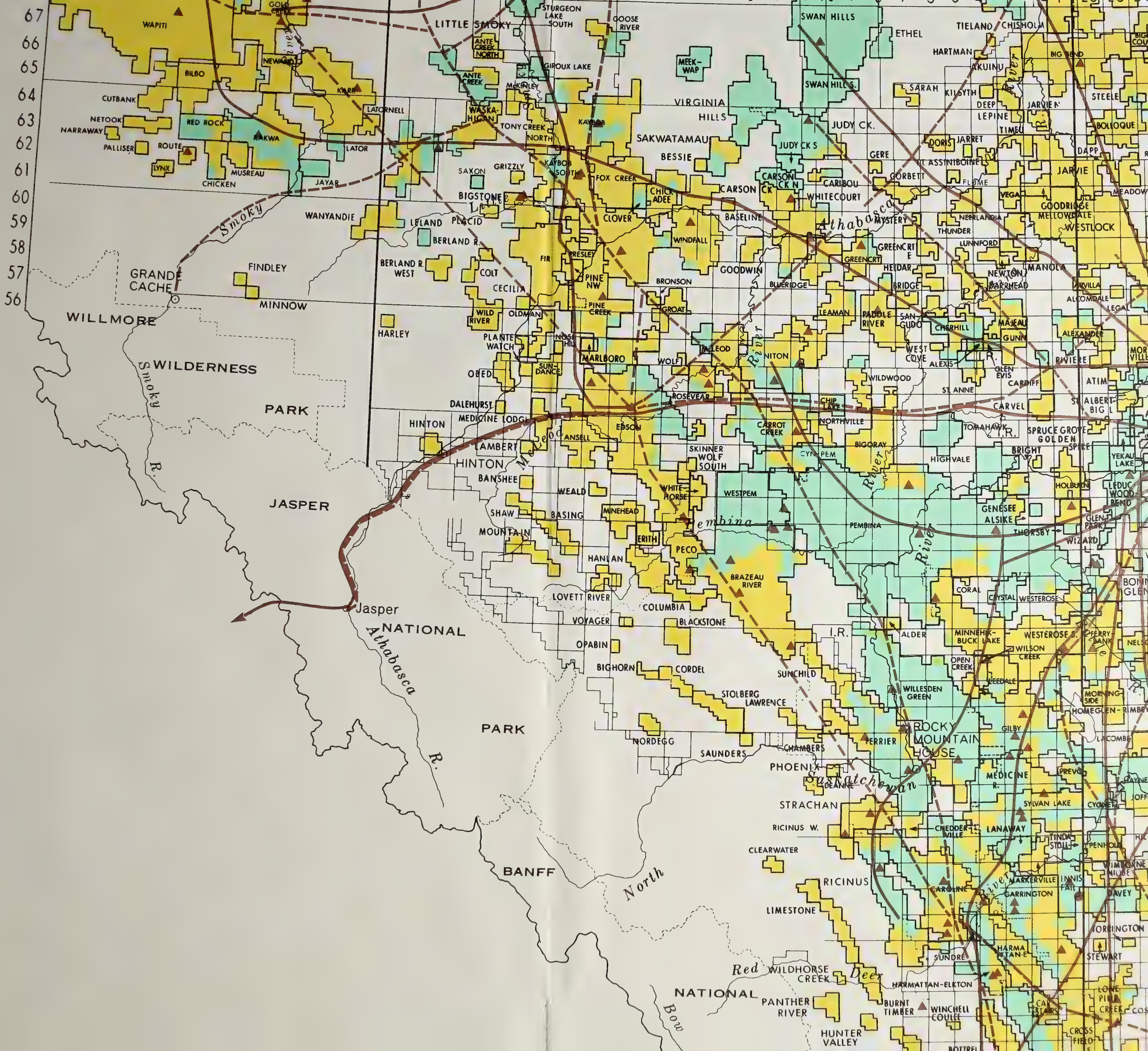
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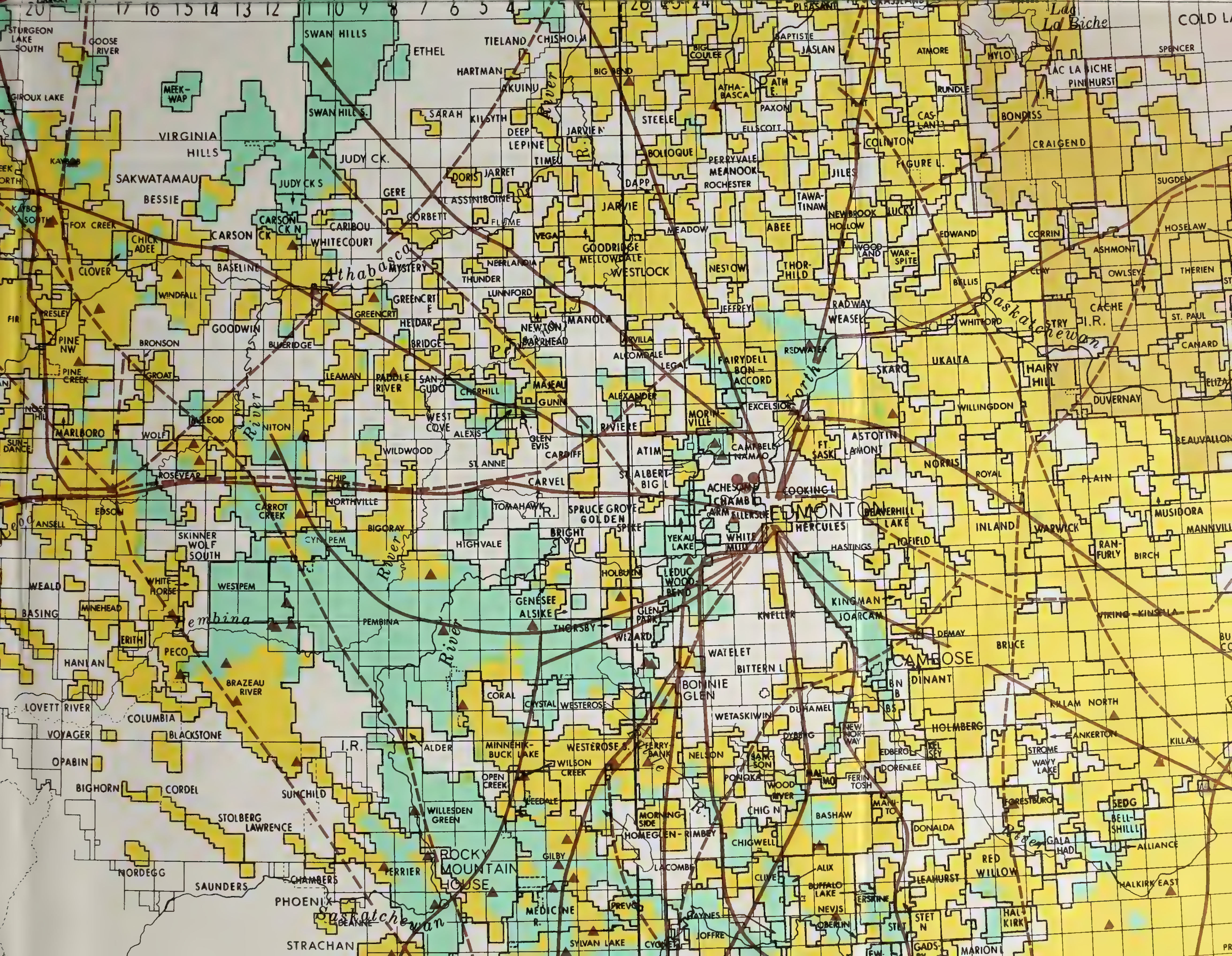
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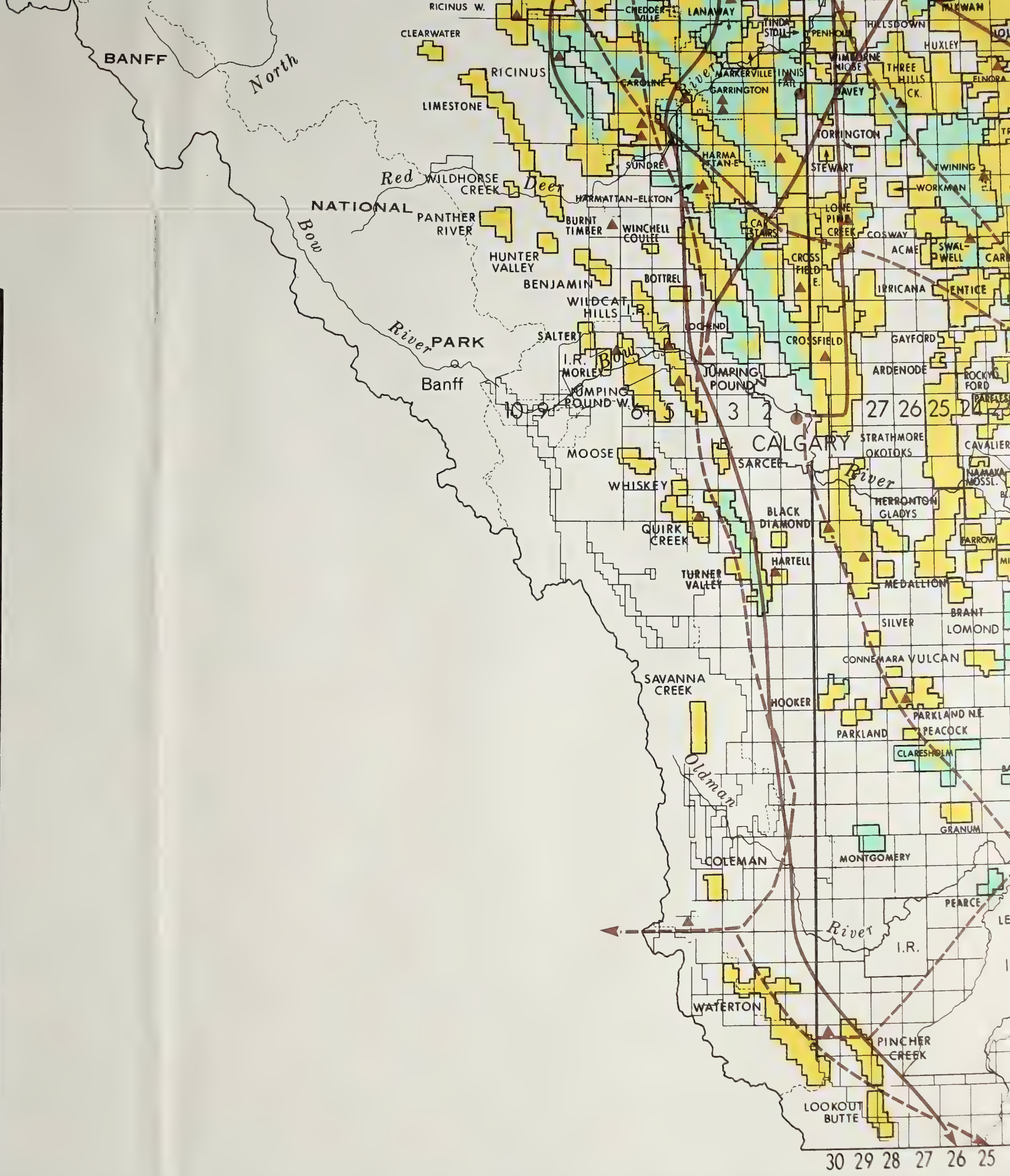

![ERCB]

ERCB Energy Resources Conservation Board

DESIGNATED OIL AND GAS FIELDS, OIL SAND DEPOSITS*, MAIN PIPELINES, REFINERIES AND GAS PROCESSING PLANTS

31 DECEMBER 1988
ALBERTA, CANADA

Field	– mainly oil	🟩
	– mainly gas	🟨
Deposit	– oil sands	⬜
Pipeline	– oil	━━
	– gas	– – –
Oil refinery		●
Gas processing plant (capacity in excess of 0.5 million cubic metres per day)		▲
Oil sands processing plant		■
Boundaries of national parks and forestry reserves		······

* The Board's estimates of the reserves of the pools in the fields and deposits are published in the ERCB 89-18 report.

Note: Certain information has been deleted in congested areas.

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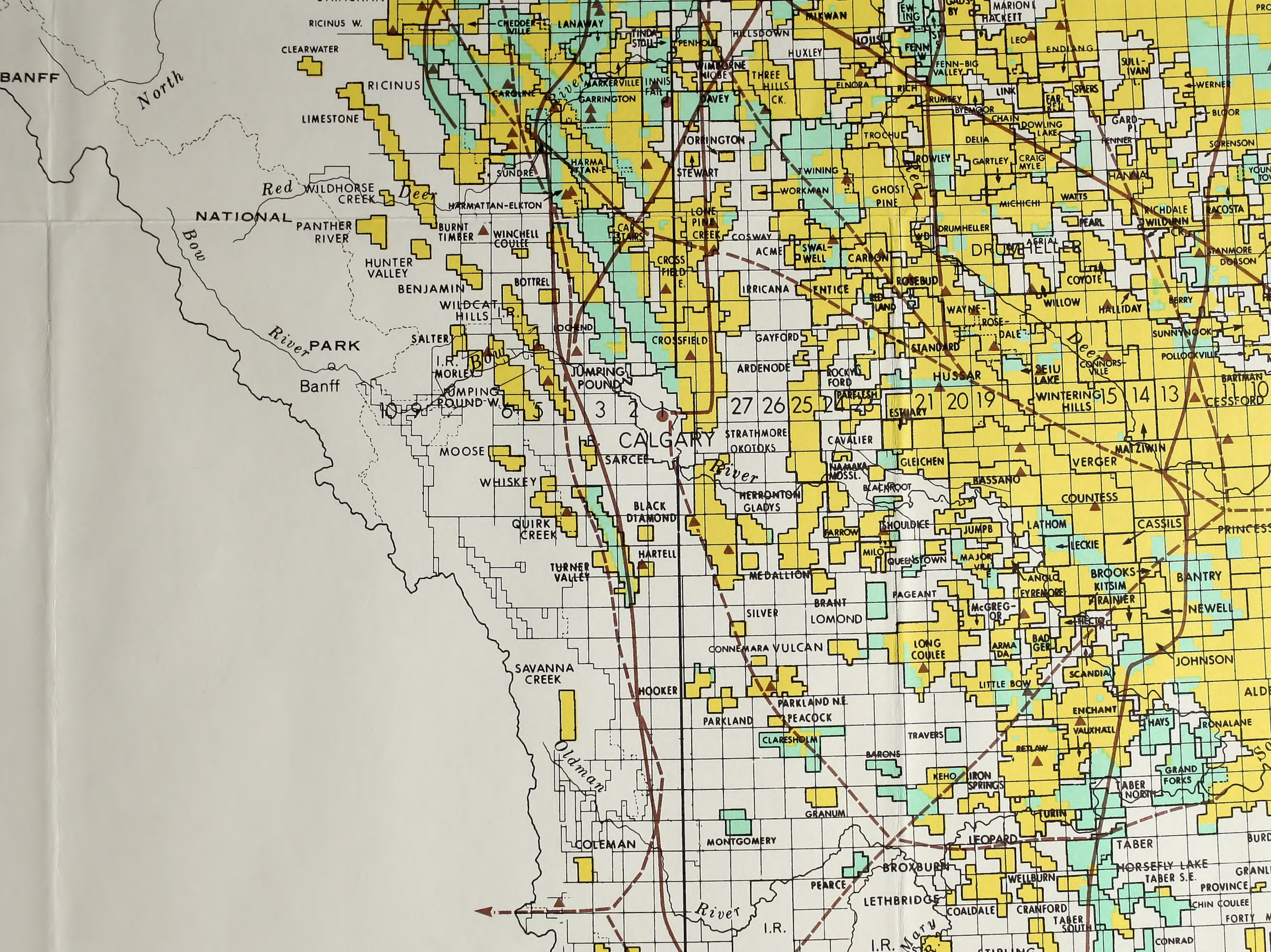
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EWING
GADSBY
MARION
HACKETT
LEO
ENDIANG
HUXLEY
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FENN W.
FENN-BIG VALLEY
SULLIVAN
WERNER
WIMBORNE
NIOBE
THREE HILLS CK.
MARKERVILLE
INNISFAIL
CAROLINE
River
GARRINGTON
DAVEY
ELNORA
RICH
RUMSEY
BYEMOOR
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GARD PL.
BLOOR
CHAIN
DOWLING LAKE
TORRINGTON
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ROWLEY
GARTLEY
CRAIGMYLE
HANNA
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WORKMAN
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MOSSL.
GLEICHEN
VERGER
BASSANO
WHISKEY
HERRONTON
GLADYS
BLACKFOOT
COUNTESS
BLACK DIAMOND
QUIRK CREEK
FARROW
SHOULDICE
JUMPB
LATHOM
CASSILS
PRINCESS
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HARTELL
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